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ILADA WASTE COMPANY
ST. CLAIR COUNTY
DUPO, ILLINOIS
ILD980497978
LPC#1630355003
SUPERFUND/ HRS

CERCLA

Supplemental Expanded Site Assessment Report

Illinois Environmental Protection Agency

CERCLA
SUPPLEMENTAL EXPANDED SITE INSPECTION

for:

ILADA WASTE COMPANY
DUPO, ILLINOIS
ILD980497978
LPC# 1630355003

PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION

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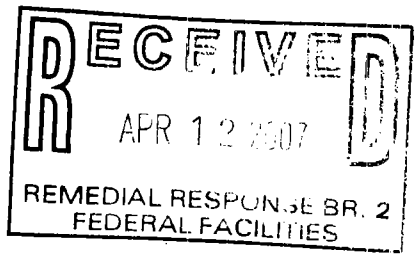

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1.0 INTRODUCTION

In September 2005, the Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation Program was tasked by United States Environmental Protection Agency (U.S. EPA) Region V to conduct a Supplemental Expanded Site Inspection (ESI) at the Ilada Waste Company site in Dupo, Illinois. The Ilada Waste Company site, ILD980497978, is located in a rural area south-southeast of Dupo, St. Clair County, Illinois. The site was placed on CERCLIS in May of 1980 (U.S. EPA, CERCLIS). The address of the facility is east of Highway 3 on Imbs Station Road, Dupo, Illinois 62239. The facility is situated primarily on the north side of Imbs Station Road which is also known locally as "Old Cement Hollow Road". The facility is located in Section 33, Township 1 North, Range 10 West of the Third Principle Meridian, St. Clair County, Illinois at 38.4950 degrees N latitude, 90.2029 degrees W longitude (USGS, 7.5 Minute). The Supplemental ESI is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

2.0 SITE BACKGROUND

2.1 Site Description

The Ilada Waste Company (Ilada) facility is located in a rural area south-southeast of Dupo, Illinois. The facility is situated on the north side of Imbs Station Road, on the bluffs of the Mississippi River. The total area of the property is approximately 100 acres, most of which is timbered. The majority of the facility activities took place on about five acres in an area just north of Imbs Station Road which runs east to west through the property. These five acres are referred to as "facility" within this report. Alternatively,

"site" is used in this report to refer to any area where hazardous substances have come to be located (which includes areas down gradient of the facility but not necessarily a part of the Ilada property). The facility is located on a hill side which slopes down toward the south. A small unnamed stream flows southward through the center of the facility in close proximity to areas where oil production and waste oil processing activities took place (see Figures 3 & 5). The unnamed stream flows into Hill Creek, which drains the property towards the southwest. Hill Creek drains into Hill Lake Creek which leads to Palmer Creek. Palmer Creek feeds into the Mississippi River approximately 5.5 miles southwest of the property. According to the USGS Topographic Map of the area, the unnamed creek running north/south through the facility and Hill Creek are perennial streams (1991). The U.S. Department of Interior "National Wetlands Inventory" map for the area indicates that approximately 1.8 miles of forested wetland frontage exists along the surface water drainage route between the site and the Mississippi River (USDOI, Columbia). An additional 9.16 miles of forested wetlands are present along the eastern shore of the portion of the Mississippi River between the confluence of Palmer Creek and the 15-mile Target Distance Limit (USDOI, Oakville).

Two residential properties lie adjacent to the facility to the east (one is unoccupied and used for storage purposes). The second residential property is used for rental purposes and was occupied at the time of the sampling event. The rental house is located approximately 50 meters northwest of the site parking lot. Adjacent to the facility on the west is an auto repair shop followed by additional single-family homes. The home closest to the site on the west is approximately 152 meters from areas where waste material was managed on the site. Across Imbs Station Road to the south is forested land that slopes upward toward the south. To the north of the facility is also forested land increasing in elevation with distance from the site.

The Ilada site was originally used for crude oil production beginning in 1939. Under normal operations a mixture of crude oil and brine was pumped from two facility oil wells into gun-barrel tanks during oil production operations. The oil and brine were separated in these tanks. The oil was then sold locally as fuel and the brine was stored in lagoons and storage tanks. Waste brine was disposed in a 3,000 foot deep injection well. (Black & Veach, 1993)

From 1979 until 1982, Ilada leased and operated the facility primarily for crude oil production but waste oil from various sources was also recovered for resale and for process oil (Black & Veach, 1993). Waste oil was processed in a still at the facility by heating it to separate water and sludge from the oil (Black & Veach, 1993). The separated water was disposed in the injection well and the sludge was either disposed in the injection well or sold for road dust control (Black & Veach, 1993). Ilada also reportedly received waste oils from Shell Oil and Bliss Oil (Mensing, August 3, 1981; Mensing, June 3, 1983).

A site reconnaissance of Ilada was conducted on October 31, 1995 by Illinois EPA. At this visit, there was little physical evidence left of the activities that took place during Ilada's waste oil operations at the facility. The surface impoundments had been filled and most of the above ground storage tanks were taken down or demolished. Some of the oil wells were still in operation, but the injection well was not being used at the time of this inspection (Illinois EPA, STEP).

Several municipalities in the area receive drinking water from a surface water intake on the Mississippi River which is located outside of the 15 mile target distance limit. Two

municipal wells serving approximately 6335 persons in the city of Dupo are located within 2.5 miles of the facility. The city of Dupo also serves residents living along Imbs Station Road. Illinois EPA has analytical data for non-processed (raw) ground water from the Dupo municipal wells on 16 separate sampling events from July 3, 1996 to August 28, 2007. Analysis performed on the wells includes a wide range of organic and inorganic compounds including the primary contaminants of concern at Ilada. Analysis results appear to indicate that contamination from the facility has not impacted water quality at the public wells used by Dupo. Results were below the groundwater quality standards established in 35 Illinois Administrative Code Part 620.410, with the exception of iron and manganese. The Illinois EPA considers these elevated levels the result of natural mineralization in the sand and gravel aquifer used by the wells.

A group of three public wells owned by the Schmid Lake Subdivision are located within approximately 3.7 miles northwest of the facility. The wells were initially considered to be private wells, but after the discovery by Illinois EPA that the wells were serving over 25 people, the designation of "Community Water Supply Well" was assigned to the wells. As a result of the increased requirements for public wells, the owners rendered the wells inactive and residents in this area are on public water supplied by Illinois American Water Company from a surface water intake on the Mississippi River. No analytical data is available on the wells originally used by the Schmid Lake Subdivision.

At one time there were numerous private wells within the four-mile target distance limit, and approximately three wells within one-half mile of the site. However, it is unclear whether the private wells within the four-mile target distance limit are currently in use for drinking water purposes. (ISGS, Oracle) Attempts to locate a residence with an active private drinking water well were unsuccessful.

2.2 Site History

Crude oil has been produced at the facility near Dupo, Illinois since 1939 (Black & Veach, 1993). Sanborn fire insurance maps could not be identified for the facility. Aerial photos of the site show the presence of what appears to be lagoons or surface water bodies near historical operation areas as far back as 1958. The site consisted of two oil wells and one deep injection well for brine disposal (Harding). In 1977, the original owner, Victor Nettle, leased the operation of the facility to Ilada Energy Company (Buser).

From 1979 to 1982, the site utilized numerous tanks in their waste oil operations (Nelson). There were three 40,000 gallon tanks for processing and storage; four 20,000 gallon tanks for storage prior to processing; a large blue tank was used for storage of product for sale; as well as lagoons containing liquids used for unspecified purposes (Mensing, 1982; Nelson) . The crude oil production operation utilized two tanks and brine lagoons and one 180,000 gallon tank (Mensing, 1982; Nelson). The brine injection well was used by both the waste oil and crude oil processing operations (Mensing, 1982; Nelson).

In 1979, Ilada filed an application with the Illinois EPA to develop the facility as a waste management facility (Mensing, 1981). The property owner, Mr. Nettle, authorized use of the facility for this purpose (Mensing, 1981). In January 1981, applications to renew the developmental permit as well as an application for operation of a Resource Conservation Recovery Act (RCRA) waste management facility were submitted to the Illinois EPA (Cavanagh). On April 6, 1981, Illinois EPA denied both applications because the property owner refused to sign the permit application (Cavanagh).

According to the owner, however, Ilada continued un-permitted operations at the facility and was disposing wastes in the injection well (Mensing, 1981). Some unprocessed waste oil was allegedly disposed in the injection well, used on roads for dust control, or processed at the facility, blended with crude oil, and sold as fuel (Mensing, 1981). In 1982, the facility was sold to Larson Industries (Illinois EPA, STEP). Waste oil processing operations were discontinued at that time and the facility returned solely to oil production operations (Illinois EPA, STEP).

2.3 Previous Investigations

In 1981 and 1983, Illinois EPA collected samples from tanks, soils, the two oil wells, the injection well, and surface water/sediments at the facility. Varying concentrations and combinations of hydrocarbons, polychlorinated biphenyls (PCBs), metals, and trichloroethylene (TCE) were detected in one of the oil wells, the injection well, the lagoons, and the storage tanks. PCBs and lead were detected in a downstream sediment sample from Hill Creek, which runs along the southern side of the property. PCBs were also detected in soils (Black & Veach, 1995).

In June 1983, PEDCo Environmental Inc. (U.S. EPA contractors) collected samples from the waste injection well and two oil production wells. The injection well had PCB concentrations ranging from 41 parts per million (ppm) to 76 ppm. Soil samples were also collected from lagoon areas, production areas, and tank areas. Concentrations of PCBs in soils ranged from 0.2 ppm to 78 ppm (Black & Veach, 1995).

On July 3, 1986, U.S. EPA Contractors Ecology and Environment conducted a Site Inspection which included file reviews and a site visit. No samples were collected. On June 9, 1993, U.S. EPA contractors Black & Veach prepared a Site Inspection

Prioritization Report in which they recommended additional samples for the site. In August 1995, Black & Veach conducted a site reconnaissance and prepared a Focused Site Inspection Prioritization Report summarizing historical facts regarding the facility (Black & Veach, 1995).

In 1995, Illinois EPA conducted additional sampling at the facility as part of a Site Team Evaluation Prioritization (STEP). According to the STEP report, PCBs were detected in both facility soils and in sediments downstream from the main portion of the facility in Hill Creek (Illinois EPA, STEP).

2.2 Site Geology

The facility is situated atop a bluff composed of limestone bedrock with elevations 100 to 200 feet above the Mississippi River floodplain (USGS, 7.5 Minute; Southwestern). These bluffs are reportedly covered by 30 to 70 feet of clayey loess (Southwestern). This does not appear to hold true throughout the entire area as exposed bedrock was observed during the site reconnaissance. The Middle and Upper Mississippi formation underlying the property exhibit karst characteristics (USGS, 7.5 Minute; Southwestern, Panno et al.). This formation is primarily composed of limestone with layers of shale and sandstone interbedded (Southwestern). Sinkholes are abundant in the region surrounding the site (USGS, 7.5 Minute; Panno et al.). "Sinkholes are topographic depressions that characteristically form in landscapes with internal drainage (drainage that occurs underground within the bedrock instead of on land surface in streams)" (Panno et al.).

The bluff overlooks the Mississippi River floodplain which consists of approximately 100 to 200 feet of sand and gravel alluvial deposits (Black & Veach, 1993). These alluvial

deposits encompass a large area in parts of Illinois and Missouri around St. Louis and are referred to as the "American Bottoms" (USGS, 7.5 Minute). These deposits come within ¼ mile of the site before ending against the limestone bluffs (Black & Veach, 1995). The depth to the alluvial aquifer (the aquifer of concern) from the surface is roughly 50 feet (Black & Veach, 1995). The alluvial aquifer is the Lower Mississippi and appears to be interconnected to the Upper and Middle portions of the system due to similar water level elevations and the absence of hydraulic barriers (Black & Veach, 1995).

3.0 SUPPLEMENTAL ESI ACTIVITIES

3.1 Sampling Activities

The sampling activities conducted under the Supplemental ESI were conducted at the Ilada site during the week of July 31, 2006. The objective of the assessment was to collect the data that would be necessary to provide documentation for a Hazard Ranking System scoring package to evaluate whether the site is eligible for inclusion on the National Priorities List. Soil samples were collected from various locations throughout the site to identify contaminants remaining from various oil and waste processing operations. Sediment samples from on-site drainage ways and Hill Creek were obtained to determine if contamination may have migrated off site due to overland flow. An attempt was made to collect groundwater samples to evaluate the facility's impacts on groundwater beneath the facility and private drinking water wells near the facility. However, sampling equipment could not be introduced into the aquifer to collect groundwater samples beneath the site due to the presence of limestone bedrock near the site's surface. Interviews conducted with local residents during the sampling event confirmed that residents near the site had been connected to a public water supply and

that no private wells were in-use within 0.5 miles of the site. Private well sampling at distances greater than 0.5 miles was not pursued because of the distance from the facility and lack of on-site and near-site ground water data.

All soil and sediment samples were collected in accordance with the Illinois EPA's Bureau of Land (BOL) Sampling Procedures Guidance Manual dated September 1996 and Illinois EPA's approved Quality Assurance Project Plan dated 3/3/2003. Soil samples were obtained using either a stainless steel hand auger or the Geoprobe (Section 3.1.2) and placed into sample containers using a stainless steel trowel. Sediment samples were collected with a stainless steel auger and a stainless steel trowel. Sediment sampling locations are shown on Figures 2 and 3 with Figure 2 focusing primarily on the samples collected within the facility boundaries. Soil sample locations are provided on Figure 2. Table 1 provides a more detailed description about each sample collected during the supplemental ESI.

3.1.1 Sediment Sampling

A total of 18 sediment samples were collected from 16 locations during the Supplemental ESI. Sediment samples X201 – X205 and X207 – X209 were collected down-stream from the facility in Hill Creek in order to determine if any contaminants from the facility entered the surface water and migrated downstream. Sediment samples X210 and X216 were collected from Hill Creek within the boundaries of the facility. Samples X211, X212, and X213/X214 were collected from an unnamed perennial creek / drainage way that flows southward through the facility before connecting with Hill Creek in the southwest portion of the facility. During the sampling event, the laboratory contacted the field crew and indicated that the jar containing the

semi-volatile/pesticide/PCB fraction of sediment sample X203 had arrived broken at the lab. Therefore, the sediment sampling location was re-visited and the semi-volatile/pesticide/PCB fraction of X203 was collected again and designated X230.

Three sediment samples were collected in order to determine conditions of the creeks prior to potential impacts from the facility. Sediment sample X215 was a background sample for the unnamed creek / drainage way that flows south-southwest through the center of the facility. Sample X215 was collected approximately 75 meters northeast of the facility from the unnamed creek / drainage way before it enters the facility. Sample X217 was a background sample for Hill Creek. Sample X217 was collected from Hill Creek approximately 15 meters east of the facility. Lastly, sediment sample X206 was a background sample for an unnamed creek that flows into Hill Creek from the southeast. The confluence of the unnamed creek and Hill Creek (nearby where X206 was collected) is approximately 625 meters down gradient of the facility towards the southwest. Specifically, sediment sample X206 was collected from an unnamed creek approximately 10 meters up gradient of the confluence of the unnamed creek and Hill Creek.

Sediment sampling locations are shown on Figures 2 and 3 with Figure 2 focusing primarily on the samples collected within the facility boundaries. Table 1 provides a more detailed description about each sediment sample collected during the supplemental ESI.

3.1.2 Soil Sampling

A total of 18 soil samples were collected from 15 locations within the facility boundaries as a part of the Supplemental ESI for the Ilada site. Soil sampling locations were based

primarily on site drawings and aerial photographs with the intent of sampling soil from areas where oil/waste processing or storage operations occurred. In addition, two background soil samples were collected from two locations south of the facility and south of Imbs Station Road. The two background soil samples, X120 and X121 were collected in order to quantify contaminant levels in soils that had not been impacted by facility operations.

Soil samples X106, X107, X112, X113, X116, X117, X120, and X121 were collected using a stainless steel auger and stainless steel trowels. Illinois EPA's Geoprobe® Model 5400 (Geoprobe) Unit was used to collect all other soil samples from the facility. The Geoprobe is a hydraulically powered unit that uses both static force and percussion to advance sampling and logging tools into the subsurface. Four-foot soil cores were obtained by advancing a four-foot Macro-Core Sampler® into the ground. The soil cores were collected in a plastic sleeve during advancement of the sampler, which can be cut allowing access for logging and sampling purposes. The cores were brought to the surface and were characterized using visual and olfactory observations to identify any staining or other potential signs of contamination. A Foxboro Toxic Vapor Analyzer (TVA) was used to evaluate organic vapors released from soils. Boring Logs are provided in Appendix B for soil sampling locations where the Geoprobe was used to collect geologic information along with soil samples. Soil sampling locations are shown on Figures 2. Table 1 provides a more detailed description about each sediment sample collected during the supplemental ESI.

3.2 Analytical Results

Following sample collection, all samples were transferred to containers. The sample containers were packaged and sealed in accordance with Illinois EPA's Office of Site

Evaluation Program procedures. Soil and sediment samples requiring low-level inorganic analysis were sent to Liberty Analytical in Cary, North Carolina. Soil and sediment samples collected for low-level organic analysis were shipped to Shealy Environmental in Cayce, South Carolina. With few exceptions, all samples were analyzed for Target Compound List (TCL) volatiles, semi-volatiles, pesticides/PCBs, pH, and inorganics. Soil, sediment, and waste samples suspected of medium to high-level contamination (based on TVA readings, visual, or olfactory observations) were sent to the State of Illinois EPA's Laboratory. A complete analytical data package, including quality assurance review sheets, for the Ilada Waste Company site is located in Appendix E (volume 2 of the Supplemental ESI Report).

3.2.1 Sediment Results

Analytical results for sediments were compared to background concentrations in order to determine whether or not site activities have impacted sediments or surface water in the area surrounding the site. As described in detail in Section 3.1.1, three background sediment samples (X206, X215, and X217) were collected in order to compare conditions of the creeks before and after any potential influence from the facility. Samples X206 and X215 were obtained to ensure that the small unnamed creeks flowing into Hill Creek from the north (X215) and from the southeast (X206) were not contributing any contamination Hill Creek. Sample X217 was collected to compare contaminant concentrations in Hill Creek as it enters the facility to contaminant concentrations of Hill Creek inside the facility and after exiting the facility.

The analytical results for sediment sample X217 identified many of the same semi-volatile compounds and PCBs (Arochlor-1260) that were found in the center of the facility, indicating that the site, or a similar operation upstream, had impacted Hill Creek at the location of X217. After sample X217 was collected, oily material was identified in

a driveway east of the site. (The property with the oily material in the driveway was once owned by a relative of the owner/operator of the Ilada facility, indicating that the material may have been removed from the site and placed in the driveway which was adjacent to Hill Creek.) Sample X217 is up gradient of samples X216 and X210 and the geographic area represented by X217 should portray background conditions for those samples. However, analytical results for X217 indicated that X217 was impacted either from the facility or other unknown source. Therefore sediment sample X217 was removed from consideration as a background sample and an "un-impacted" background sample was selected to be more conservative.

Analytical results for background sediment sample X215 also identified several semi-volatile compounds found at the facility, but at lesser concentrations. In consideration analytical results from X217 and the fact that the unnamed creek represented by X215 flows through the center of the facility and into Hill Creek, sample X215 was selected to represent background conditions. Concentrations in sediments throughout the site will be compared to sample X215 in order to determine whether or not a release to the environment has occurred..

Background sample X206, collected from an unnamed creek that flows into Hill Creek approximately 625 meters down gradient of the facility also contained several semi-volatile compounds found at the facility, but at lesser concentrations. Sediment samples collected down gradient of sample X206 will be compared to the higher of contaminant concentrations of either X206 or X215. For the purposes of evaluation under the Hazard Ranking System (HRS), sediment concentrations are compared to background concentrations and [in most cases] any contaminants present at three-times the

background concentrations are considered attributable to the site and are termed "an observed release" (U.S. EPA, HRS).

Laboratory results for sediments were also compared to ecological benchmarks to help determine whether site activities have impacted sediments or surface water in the area surrounding the site. Two sources of benchmarks were used for this comparison: Ontario sediment quality guidelines and U.S. EPA ecotoxicological ("ecotox") thresholds. The results of this comparison are provided in Section 6 of this document.

Analytical results for sediment samples collected during the Supplemental ESI are provided in Tables 2 – 6 of this report. Background concentrations as well as ecological benchmarks (where available) are provided along with the analytical results in the tables. Figures 2 and 3 identify sediment sampling locations for the Supplemental ESI.

Two sediment samples met the observed release criteria for cyanide. The samples that met observed release criteria for cyanide were X213, X214. There were no sediment samples that met the observed release criteria for volatile organic compounds.

A total of 11 sediment samples met the observed release criteria for semi-volatile compounds. The samples that met observed release criteria for semi-volatile organics were X201, X230 (X203 see Section 3.11), X204, X207, X208, X209, X210, X212, X213, X214, X216. Nine different semi-volatile compounds were identified in sediment samples at concentrations that met observed release criteria. Benzo(a)pyrene, chrysene, fluouranthene, and pyrene were the semi-volatile compounds most prevalent

concentrations meeting observed release criteria. Sediment samples X208 and X209 contain the most semi-volatile compounds that meet observed release criteria.

Six sediment samples met observed release criteria for pesticide compounds, X204, X208, X209, X210, X212, and X216. Endrin, Endrin aldehyde, and 4,4'-DDT were the compounds detected at concentrations meeting observed release criteria most often. Seven sediment samples met observed release criteria for Arochlor-1260, a PCB compound. The samples that met observed release criteria were X230 (X203), X208, X209, X210, X212, X214, and X216.

3.2.2 Soil Results

Soil samples were collected at the facility in an attempt to characterize potential sources of contamination. Shallow soils were collected in order to identify contaminant concentrations for soil exposure while soil samples collected at depths greater than 2 feet below ground surface were intended to help identify the vertical extent of contamination.

Analytical results for soil samples collected during the Supplemental ESI are provided in Tables 7 – 11 of this report. Background concentrations are provided along with the analytical results in the tables. Figure 2 identifies soil sampling locations for the Supplemental ESI.

3.2.2.1 Shallow Soil Results

A total of 11 shallow soil samples were collected during the Supplemental ESI. Soil samples X120 and X121 were collected to evaluate background conditions. Based on

analysis results, the highest concentration for each contaminant was used from either X120 or X121 to represent background concentrations.

A total of six shallow soil samples contained inorganic constituents at concentrations that met observed release criteria. Six different metals were detected at concentrations meeting observed release criteria. Lead and calcium were detected most often, in four out of ten samples, at concentrations meeting observed release criteria. The shallow soil samples that met observed release criteria for inorganics were X105, X108, X110, X111, X113, and X119A. Table 7 contains the inorganic analytical results for shallow soil samples.

A total of 23 volatile organic compounds (VOCs) were detected in five shallow soil samples at concentrations that met observed release criteria. The majority of the compounds were detected in soil sample X111. Soil samples X105, X108, X110, and X113 contained a total of five different VOCs, with acetone being detected most often, possibly due to laboratory contamination. Table 8 contains the VOC analytical results for shallow soil samples.

A total of 20 semi-volatile organic compounds were detected in five shallow soil samples at concentrations that met observed release criteria. Shallow soil sample X111 contained 19 semi-volatile compounds detected in soils. Soil samples X104, X105, X108, X110, and X113 contained a total of 15 different semi-volatile compounds. Benzo(a)pyrene, phenanthrene, and pyrene were the compounds detected most often. Table 9 contains the semi-volatile organic analytical results for shallow soil samples.

A total of 15 pesticide compounds were detected in seven shallow soil samples at concentrations that met the observed release criteria. The samples that met observed release criteria for pesticide compounds were X103, X104, X105, X108, X111, X113, and X119A. The pesticides endrin and endrin aldehyde were detected most often at concentrations that met observed release criteria. Table 10 contains the pesticide analytical results for shallow soil samples.

Three polychlorinated biphenyl compounds (Arochlor-1016, Arochlor-1248, and Arochlor-1260) were identified in eight shallow soil samples at concentrations that met observed release criteria. Shallow soil samples X103, X104, X105, X108, X110, X111, X113, and X119A were the soil samples with concentrations meeting observed release criteria for one or more PCB compounds. Arochlor-1260 was detected most often in shallow soil samples (in all nine shallow soil samples at concentrations that met observed release criteria). Table 11 contains the PCB analytical results for shallow soil samples.

3.2.2.1 Deep Soil Results

A total of eight deep (greater than two feet below ground surface) soil samples were collected during the Supplemental ESI. Analytical results from the deep soil samples were compared to the results of background samples X120 and X121 to determine whether or not the sample met observed release criteria.

A total of three deep soil samples contained inorganic constituents at concentrations that met observed release criteria. Five different metals were detected at concentrations meeting observed release criteria. Manganese was detected most often, in two out of eight samples, at concentrations meeting observed release criteria. The

deep soil samples that met observed release criteria for inorganics were X101B, X107, and X118. Table 7 contains the inorganic analytical results for deep soil samples.

A total of 23 VOC compounds were detected in six deep soil samples at concentrations that met observed release criteria. Soil samples X101B, X102, X106, X107, X118, and X119B all contained concentrations of VOCs that met observed release criteria. The majority of the compounds were detected in soil samples X106 and X107. The compounds isopropylbenzene and cyclohexane were detected most often at concentrations that meet observed release criteria. Table 8 contains the VOC analytical results for deep soil samples.

A total of 24 semi-volatile organic compounds (SVOCs) were detected in six deep soil samples at concentrations that met observed release criteria (X101B, X102, X106, X107, X116, and X118). Deep soil sample X116 contained 16 SVOCs at concentrations meeting observed release criteria. Soil samples X104, X105, X108, X110, and X113 contained a total of 15 different SVOCs. Benzo(a)pyrene, phenanthrene, and benzaldehyde were the compounds detected most often. Table 9 contains the SVOC analytical results for deep soil samples.

A total of 18 pesticide compounds were detected in five deep soil samples at concentrations that met the observed release criteria. The samples that met observed release criteria for pesticide compounds were X101B, X102, X106, X107, X116, X117, and X119B. The pesticides Endrin and Endrin aldehyde were detected most often at concentrations that met observed release criteria. Table 10 contains the pesticide analytical results for deep soil samples.

Arochlor-1260 was the only PCB identified in deep soil samples at concentrations that met observed release criteria. Soil samples X106, X107, X116, and X117 were the soil samples with detected concentrations of PCB compounds that met observed release criteria. Table 11 contains the PCB analytical results for deep soil samples.

3.2.3 Waste Results

In addition to shallow and deep soil samples, one waste sample (X112) was collected at the facility from a petroleum-like waste inside a large open-top tank referred to in historical reports as an oil-water separator tank , located south of the injection well (Black & Veach, 1995). The analytical results from waste sample X112 were not compared to background levels. Instead analytical results are discussed in general terms below, providing a general comparison between sample X112 and the remainder of facility samples.

Analytical results for inorganic compounds were not markedly different from soil samples collected at the facility, in most cases, with only magnesium and calcium concentrations significantly higher in the waste sample. Similarly, VOC, SVOC, pesticide, and PCB compounds were all similar or significantly less in the waste sample than were identified in soil samples from the facility.

4.0 SITE SOURCES

This section includes descriptions of the various hazardous waste sources that have been identified at the Ilada Waste Company. The HRS defines a "source" as: "Any area where a hazardous substance has been stored, disposed or placed, plus those soils that

have become contaminated from migration of the hazardous substance" (U.S. EPA, HRS). The definition of a "source" does not include surface water or sediments below surface water that has become contaminated (U.S. EPA, HRS).

Information obtained during the Supplemental ESI identified a total of seven separate sources that contribute to overall contamination at the facility and site. The seven known sources are identified as: Source 1– Waste Disposal Area; Source 2 – Waste Processing Area; Source 3 – Central Waste Processing Lagoon; Source 4 – Petroleum and Waste Lagoon; Source 5 – Southwest Waste Processing Lagoon; Source 6 – Product Shipment Area; and, Source 7 – Parking Lot. The sources are described below in more detail.

A desktop Geographic Information System (GIS) was used to aid in aerial photograph analysis and calculations for the size of the sources. Source perimeter and area calculations were performed using the computer program ArcGIS produced by ESRI. A script was used within ArcGIS to calculate the area (in square meters) of contamination for each of the sources. The sources are identified on Figure 5 of this report.

4.1 Source 1 – Waste Disposal Area

Analysis of historical aerial photographs from 1968, 1981, and 1988 allow identification of a distinct geographical area immediately south of the "open-toped tank" or "oil/water separator tank" on the north portion of the facility. Black & Veach's 1995 report identified oil-soaked soils in this region along with a brine-water sump and associated pit. Several small tanks/drums can be identified in this area from historical photographs. The geographic extent of the source area was determined by lack of significant vegetation in aerial photographs and during site visits, as well as visibly contaminated

soils noted during the fieldwork for the supplemental ESI. The area encompasses 3,370 ft^2 and is considered contaminated soil for HRS purposes. Soil sample X108 provides analytical representation for the source. The primary contaminant of concern in this area is Arochlor-1260 at 0.13 parts per million.

4.2 Source 2 – Waste Processing Area

From 1979 to 1982, the site utilized numerous tanks in their waste oil operations (Nelson). In the central portion of the facility were three 40,000 gallon tanks for processing and storage (Nelson). A historical aerial photograph from May 20, 1981 shows the three tanks, along with numerous other tanks and a still used to process waste oils brought into the facility. A perimeter was drawn around all of the tanks and the still (encompassing areas lacking in significant vegetation) in ArcGIS. The area encompasses 13,896 ft^2 and is considered contaminated soil for HRS purposes. Soil samples X119A provides analytical representation for the source. Sample X118 was also taken inside the source perimeter but was too deep (greater than 2 feet below ground surface) to be representative of contaminated soil for HRS purposes. The primary contaminant of concern in this area is Arochlor-1260 at 0.5 parts per million.

4.3 Source 3 – Waste Processing Lagoon

A large pit containing water and oil scum was identified in the central portion of the site during a site visit conducted in April of 1982 (Mensing, 1982). Mensing stated that the pit (lagoon) was located in between the three 40,000 gallon tanks and the creek at the facility (1982). The lagoon is identifiable in the aerial photograph from May 20, 1981. The geographic extent of the lagoon was measured in ArcGIS. The area encompasses 2,573 ft^2 and is considered a surface impoundment for HRS purposes. Soil samples X113 and X116 provide analytical representation for the source. The primary

contaminants of concern in this area are Arochlor-1260 at 75 ppm and Arochlor-1248 at 12 parts per million.

4.4 Source 4 – Petroleum and Waste Lagoon

A large pond or pit containing water (and possibly waste) is identifiable in the north-central portion of the facility in the aerial photograph from May 20, 1981. During site visits conducted in July of 2006, the property owner stated that there were lagoons in the vicinity. The geographic extent of the lagoon was measured in ArcGIS. The area encompasses 4,995 ft^2 and is considered a surface impoundment for HRS purposes. Soil samples X106 and X107 provide analytical representation for the source. The primary contaminants of concern in this area are Trichloroethylene at 300 ppm, and Arochlor-1260 at 45 parts per million.

4.5 Source 5 – Southwest Waste Processing Lagoon

A large pit containing water and oil scum was identified in the southwest portion of the site during a site visit conducted in April of 1982 (Mensing, 1982). Mensing stated that the pit (lagoon) was located west of four blue horizontal tanks (1982). The lagoon is identifiable in the aerial photograph from May 20, 1981. The geographic extent of the lagoon was measured in ArcGIS. The area encompasses 2,233 ft^2 and is considered a surface impoundment for HRS purposes. Soil samples X101A, X101B, and X102 provide analytical representation for the source. The primary contaminants of concern in this area are Aroclor-1260 at 0.5 ppm, phenanthrene at 2.9 ppm, and pyrene at 1.1 parts per million.

4.6 Source 6 – Product Shipment Area

A distinct geographical area can be identified surrounding the "crude oil tank" in the south-central portion of the facility in the historical aerial photograph from 1981. According to the owner, this tank was used to store crude oil prior to shipment off-site for refining. A perimeter around the area was drawn based on the appearance of stressed vegetation in the 1981 photo and in consideration of the product transfer activities that took place surrounding the tank. The area encompasses 4,777 ft^2 and is considered contaminated soil for HRS purposes. Soil sample X110 and X111 provides analytical representation for the source. The primary contaminant of concern in this area is Arochlor-1260 at 3.2 ppm and benzo(a)pyrene at 3.8 parts per million.

4.7 Source 7 – Parking Lot

During a site visit conducted in July 2006, a tar-like material was identified in certain portions of gravel parking lot areas/roads on the south side of the facility near existing buildings. During conversations with the current owner, he stated that during previous operations, waste oil was sprayed on the parking lot areas/roads to keep the dust down. The historical aerial photograph from 1981 was evaluated to delineate the gravel areas on the south side of the facility. The area encompasses 25,998 ft^2 and is considered contaminated soil for HRS purposes. Soil sample X103/X104 and X105 provide analytical representation for the source. The primary contaminant of concern in this area is Arochlor-1260 at 1.9 parts per million.

5.0 MIGRATION PATHWAYS

The Office of Site Evaluation identifies three migration pathways and one exposure pathway, as identified in CERCLA's HRS, by which hazardous substances may pose

threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these pathways. The pathways evaluated are ground water migration, surface water migration, air migration, and soil exposure.

5.1 Ground Water

No ground water was encountered or sampled beneath the site. An electronic Oracle database maintained by the Illinois State Geological Survey (ISGS) was accessed in order to determine the potential number of drinking water wells in the area surrounding the site. The ISGS database contains data available as of December 2004 and is an archive of well data for the State of Illinois, which includes data that have been computerized from records submitted to the ISGS under regulatory programs of the State. The following table identifies the number of drinking water wells based on distance from the center of the facility.

Distance from Facility	Number of Drinking Water Wells
0 - 0.5 Miles	0
0.5 – 1 Miles	6
1 – 2 Miles	30
2 - 3 Miles	88[1]
3 - 4 Miles	111[2]

Notes: 1. Includes two community water supply wells used by City of Dupo.
2. Includes three community water supply wells used by Schmid Lake Subdivision

No ground water samples could be collected on site to evaluate this pathway and homeowners in the immediate vicinity (within 0.5 miles of the site) were on public water supply). However, the presence of karst geologic conditions in the area could facilitate rapid migration of contaminants through the ground water.

The Village of Dupo's wells were sampled on August 24, 1999 as part of a Statewide Groundwater Monitoring Program. The samples were analyzed for volatile organic compounds (VOC), synthetic organic compounds (SOC), and inorganic chemicals (IOC). Review of the VOC and SOC data did not indicate quantifiable levels of organic compounds. Review of the IOC analyses indicated that parameters are consistent with other wells utilizing similar aquifers in Illinois. It is important to note that the IOC results were below the groundwater quality standards established in 35 Illinois Administrative Code Part 620.410, with the exception of iron and manganese. The iron concentrations ranged between 10,000 and 12,000 parts per billion (ppb). Manganese concentrations ranged from 250 to 310 ppb. These detections exceed the Ground Water Quality Standards of 5,000 ppb for lead and 150 ppb for manganese. The Illinois EPA considers these elevated levels the result of natural mineralization in the sand and gravel aquifer.

5.2 Surface Water

Sediment samples were collected inside facility boundaries and down gradient of the facility to determine if contaminants had migrated toward the southwest from the facility through surface water. Hill Creek flows westward through the facility and after being joined by an unnamed creek from the north, flows off the facility. Hill Creek drains into Hill Lake Creek which leads to Palmer Creek. Palmer Creek feeds into the Mississippi River approximately 5.5 miles southwest of the property. According to the USGS Topographic Map of the area, the unnamed creek running north/south through the facility and Hill Creek are perennial streams (1991).

5.2.1 Source and Containment Evaluation

Sample X216 collected in Hill Creek south of the source identified as "Central Waste Processing Lagoon" represents the Probable Point of Entry (PPE) for the site. The

lagoon was backfilled at some point following closure of waste operations and run-off from the area now flows overland approximately 15 feet into the creek, just upstream of sampling location X216. In addition, historical memoranda indicated that the lagoon had to be pumped to keep it from overflowing into the creek as a potential migration pathway. Contaminants identified in soil samples obtained from the lagoon area are also found in sample X216 and other samples down stream. The Central Waste Processing Lagoon is not controlled, lined, etc. and therefore contaminants can migrate into the adjacent creek.

Sources identified as Waste Disposal Area and Petroleum and Waste Lagoon are located adjacent to the unnamed creek flowing southward through the center of the facility. Both sources are not controlled, lined, etc. and therefore contaminants can migrate into the adjacent creek. Both sources have a containment factor of ten. The unnamed creek flows within 10 – 15 feet of each source and the banks of the creek are at lower elevations than the elevation of the sources, providing numerous overland flow patterns to the creek, approximately 20 – 25 feet in length.

The Waste Processing Area is also not controlled or lined and therefore has a containment factor of ten. A ditch passes through the area, draining contaminants towards the south, and ultimately into Hill Creek. The overland flow path from source to the creek is approximately 25 feet.

The Parking Lot, Product Shipment Area, and Waste Processing Area sources are all aligned on the southern boundary of the facility. All three sources are uncontrolled and unlined and therefore have containment factors of ten. Surface water run-off from each source would flow southward into a ditch that runs parallel to Imbs Station Road, which

empties into Hill on the southwest corner of the facility. Including the distance from each source into the ditch, and the distance contaminants would have travel in the ditch before emptying into Hill Creek, the distance for the overland flow for each source is as follows: Parking Lot – 633 feet; Product Shipment Area – 512 feet; and, Waste Processing Area – 334 feet.

A release to surface water was established through sediment samples collected inside facility boundaries in the unnamed perennial creek and in Hill Creek. Samples X212 and X214 were collected from an unnamed creek and established a release to surface water for the semi-volatile organic compounds and PCBs (specifically Aroclor-1260). Sample X216 and X210 establish a release to Hill Creek inside the facility for SVOCs and PCBs.

Sediment samples collected down gradient of the facility also established a release to Hill Creek. A release to surface water for semi-volatile organic compounds was established with sediment samples throughout Hill Creek as far down stream as 1500 meters (sample location X201). A release to surface water for PCBs was established as far down stream as 870 meters (sample X203).

In accordance with HRS, the hazardous substance migration path is evaluated as an "in-water segment" from the PPE 15-miles down stream to target distance limit. Potential targets (wetlands, sensitive environments, surface water intakes, fisheries) are evaluated within the 15-mile migration path, ending at the Target Distance Limit (HRS Guidance).

There were no recreational areas or endangered species identified within the 15-mile Target Distance Limit (TDL). National Wetland Inventory Maps produced by Department of Interior (DOI) were used to identify wetlands down gradient of the facility. Forested wetlands were identified down gradient of the facility within the 15-mile TDL *and are exposed to potential contamination as identified in the table below.*

Distance from PPE	Wetland Frontage	Water Body	Reference
3,940 Meters	20 Meters	Hill Lake Creek	DOI, Columbia
6,238 Meters	55 Meters	Hill Lake Creek	DOI, Oakville
10,470 Meters	220 Meters	Mississippi, East Channel	DOI, Oakville
11,738 Meters	14,742 Meters	Mississippi River	DOI, Oakville

The Mississippi River is considered a fishery exposed to potential contamination. Approximately 9.16 miles of the Mississippi River is included within the 15-Mile TDL. Illinois Department of Natural Resources tracks total pounds of fish caught commercially in certain parts of the Mississippi each year. The average pounds of fish harvested commercially from the years 2001 to 2005 from Lock and Dam 26 to Cairo, Illinois (203 miles) was 595,061 pounds (Maher). Based on information provided by Illinois Department of Natural Resources, it is estimated that approximately 26,382 pounds of fish are harvested from the 9 miles of the Mississippi River within the 15-Mile TDL .

5.3 Soil Exposure

All seven sources identified inside of the facility boundaries have associated contamination within two feet of the ground surface. There are no residents living within the facility boundaries and no on-site workers. There are no fences around the facility

or any of the sources that would restrict access of trespassers to the facility. Based on proximity, surficial contamination at the facility is assumed to be either placed or accidentally spilled primarily within the boundaries where the sources currently exist.

Nearby population was calculated based on data generated by the United States Census Bureau from the 2000 Census. The data was queried on the Census Bureau's website: American Factfinder. The website has a utility to generate a variety of maps and was used to display total population as persons per square mile by block group for the area surrounding the site. The table below identifies approximate populations within 1/4, 1/2, 1, and 4 miles of contaminated soil at the facility.

Distance from Facility	Population
.25 Miles	50
0.5 Miles	201
1 Mile	1813
4 Miles	15432

Source: U.S. Census Bureau, Census 2000 Summary File, Matrix P1.

5.4 Air Route

No formal air samples were collected during site assessment activities. An estimated 15,432 people reside within a four-mile radius of the site. Waste oil was processed in a still at the facility by heating it to separate water and sludge from the oil (Black & Veach, 1993) which may have released some of the volatile constituents of the material into nearby residential and commercial areas surrounding the site.

6.0 ADDITIONAL RISK-BASED OBJECTIVES

This section discusses additional risk-based objectives used to evaluate the Ilada Waste Company site. These objectives have not been used to assess the site for HRS purposes.

6.1 Sediment Quality Guidelines

The sediment samples collected during the ESI were compared to ecological benchmarks to help determine whether site activities have impacted the surface water pathway. Two sources of benchmarks were used for this comparison: Ontario sediment quality guidelines and U.S. EPA ecotoxicological ("ecotox") thresholds. Ontario sediment quality guidelines are non-regulatory ecological benchmark values that serve as indicators of potential aquatic impacts. Levels of contaminants below Ontario benchmarks indicate a level of pollution that has no effect on the majority of sediment-dwelling organisms. Contaminants for which no Ontario benchmarks where available were compared to U.S. EPA ecotox thresholds. Ecotox thresholds are ecological benchmarks above which there is sufficient concern regarding adverse ecological effects to warrant further site investigation. Ecotox thresholds are to be used for screening purposes and are not to be used as regulatory criteria, site-specific cleanup standards or remediation goals.

Sediment samples were compared to Ontario sediment criteria for lowest level of effect to determine if concentrations present may be harmful to the environment. Samples from 10 out of 16 locations had concentrations of some metal exceeding the benchmark; however for most of these locations, the concentrations were similar to sediment background metal concentrations in the surface water body. Samples from 1

out of 16 sediment locations had one or more semi-volatile organic compounds exceeding a benchmark. Samples from 13 out of 16 sediment locations had one or more PCB compound exceeding a benchmark. Lastly 5 out of 16 locations had concentrations of some pesticide exceeding the benchmark. Tables 2 – 6 compare analytical results for sediment samples to ecological benchmarks.

7.0 SUMMARY

The Supplemental ESI was conducted at the Ilada Waste Company site in order to determine whether or not to proceed with a HRS Documentation Record and potential placement on the NPL. Previous investigations had documented contamination in association with the facility but the information was dated. In addition, specific data needed to be collected regarding sources and migration pathways in order to make a confident determination as to how to proceed with environmental activities at the facility.

Based on available information, the surface water migration pathway may pose a potential risk to human health and the environment. Sediment samples collected up to 875 meters downstream met observed release criteria for contaminants which could be attributed to the facility. PCBs and several SVOCs were present in on-site soil samples as well as sediment samples downstream from the site indicating soils and wastes from the facility may have impacted sediments in nearby water bodies. Several residents live adjacent to Hill Creek which has contaminated sediments due to site activities. Over 9 miles of the Mississippi River is included in the 15-mile TDL for the site. It is estimated that approximately 26,379 pounds of fish are harvested annually from the section of the Mississippi River included within the Target Distance Limit. There are over 15,000 meters of wetland frontage along the 15-mile TDL for the site.

The ground water migration pathway is a concern because of the presence of karst geologic conditions in areas surrounding the site. However, no ground water was encountered during the investigation. Only six drinking water wells could be identified within one mile of the facility, and their actual use/viability is unknown. The physical and chemical characteristics of the primary contaminants of concern are not expected to travel great distances in the soil and ground water. Physically, the type of materials processed at the facility (used oils etc.) tends to be thicker in nature causing it to pool or cling to soil near the surface of a spill (unless large quantities have been spilled.) Chemically, the primary contaminants have low water solubility (i.e. they don't dissolve and move in ground water) and they have high organic carbon partition coefficient (i.e. in most conditions, they stick to naturally occurring organic material in soils rather than migrating long distances) (Illinois EPA, TACO). Analytical results from two community water supply wells used by the city Dupo indicate that water quality does not appear to be impacted by contaminants from the facility.

The soil exposure pathway may be a concern for site trespassers. Contaminants were identified at concentrations that meet observed release criteria within the top two feet of soil at the site. However, the residential population in the area immediately surrounding the facility is not significant.

The air migration pathway is not a concern at the facility due to lack of significant sources of air pollution at the facility and vegetative cover across most of the facility.

8.0 REFERENCES

Black and Veatch Waste Science, Inc. Focused Site Inspection Report Prioritization Report. Unpublished Report on behalf of USEPA. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois. (June 9, 1993).

Black and Veatch Waste Science, Inc. Focused Site Inspection Report Prioritization Report. Unpublished Report on behalf of USEPA. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois. (August 9, 1995).

Buser, Stephen C. Notice of Termination of Oil and Gas Lease. . Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois. (September 10, 1981).

Cavanagh, Thomas E. Letter to Stephen C. Buser dated March 22, 1982. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois.

Harding Lawson Associates. "Inspection of Ground-Water Monitoring and TSD Units". (Unpublished Report). Bureau of Land Division File, Ref. No. 1638190002. Illinois EPA, Springfield, IL. October 12, 1984.

Illinois Environmental Protection Agency. Site Team Evaluation Report. (Unpublished Report). Bureau of Land Division File, Ref. No. 1638190002. Illinois EPA, Springfield, IL. September 30, 1996.

Illinois Environmental Protection Agency. Tiered Approach to Corrective Action Objectives (TACO). Illinois Administrative Code Title 35, Subtitle G, Part 742. State of Illinois. March 2007.

Illinois State Geological Survey. Oracle Well and Boring Database. Geologic Records Unit. Illinois State Geological Survey. Champaign, Illinois. Accessed June 2006.

Maher, Rob. Electronic Mail to Jerry Willman. March 20, 2007. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois.

Mensing, Ken. Memorandum to Bureau File. 3 August 1981. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois.

Mensing, Ken. Memorandum to Bureau File. 14 April 1982. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois.

Mensing, Ken. Memorandum to Bureau File. 3 June 1983. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois.

Nelson, Steven. "Inspection Report for Ilada Waste Oil/ Ilada Energy". Unpublished Report prepared for USEPA. Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois. August 25, 1986.

Panno, Samuel V.; C. P. Weibel; Carol Wicks; and James Vandike. Geology, Hydrology, and Water Quality of the Karst Regions of Southwestern Illinois and Southeastern Missouri. Guidebook 27. Illinois State Geological Survey. Champaign, Illinois. April 1999.

Southwestern Illinois Metropolitan and Regional Planning Commission. "A Summary of Information Related to the Comprehensive Management of Groundwater Resources in Madison, Monroe, and St. Clair Counties, Illinois". Unpublished Report. . Illinois EPA Bureau of Land File, 1638190002. Springfield, Illinois. November, 1983.

United States Census Bureau. Census 2000 Summary File, Matrix P1. Illinois by Block Group. U.S. Census Bureau, Americanfactinder Website. http://factfinder.census.gov/home/saff/main.html?_lang=en . Accessed 1/24/2007.

United States Department of Interior. National Wetlands Inventory Map, Oakville, Missouri Quadrangle (1988)

United States Department of Interior. National Wetlands Inventory Map, Columbia, Illinois Quadrangle (1988)

United States Environmental Protection Agency. Hazard Ranking System Guidance Manual. Office of Solid Waste and Emergency Response. EPA 540-R-92-026. Document No. PB92963377. November 1992.

United States Environmental Protection Agency. USEPA Website: Superfund Information Systems: Comprehensive Environmental Response, Compensation and Liability Information System. http://www.epa.gov/superfund/sites/cursites/ . Accessed 2/06/2007.

U.S. Geological Survey (USGS), 7.5 Minute Quadrangle Topographic Map, Columbia, Illinois (1991)

Figures

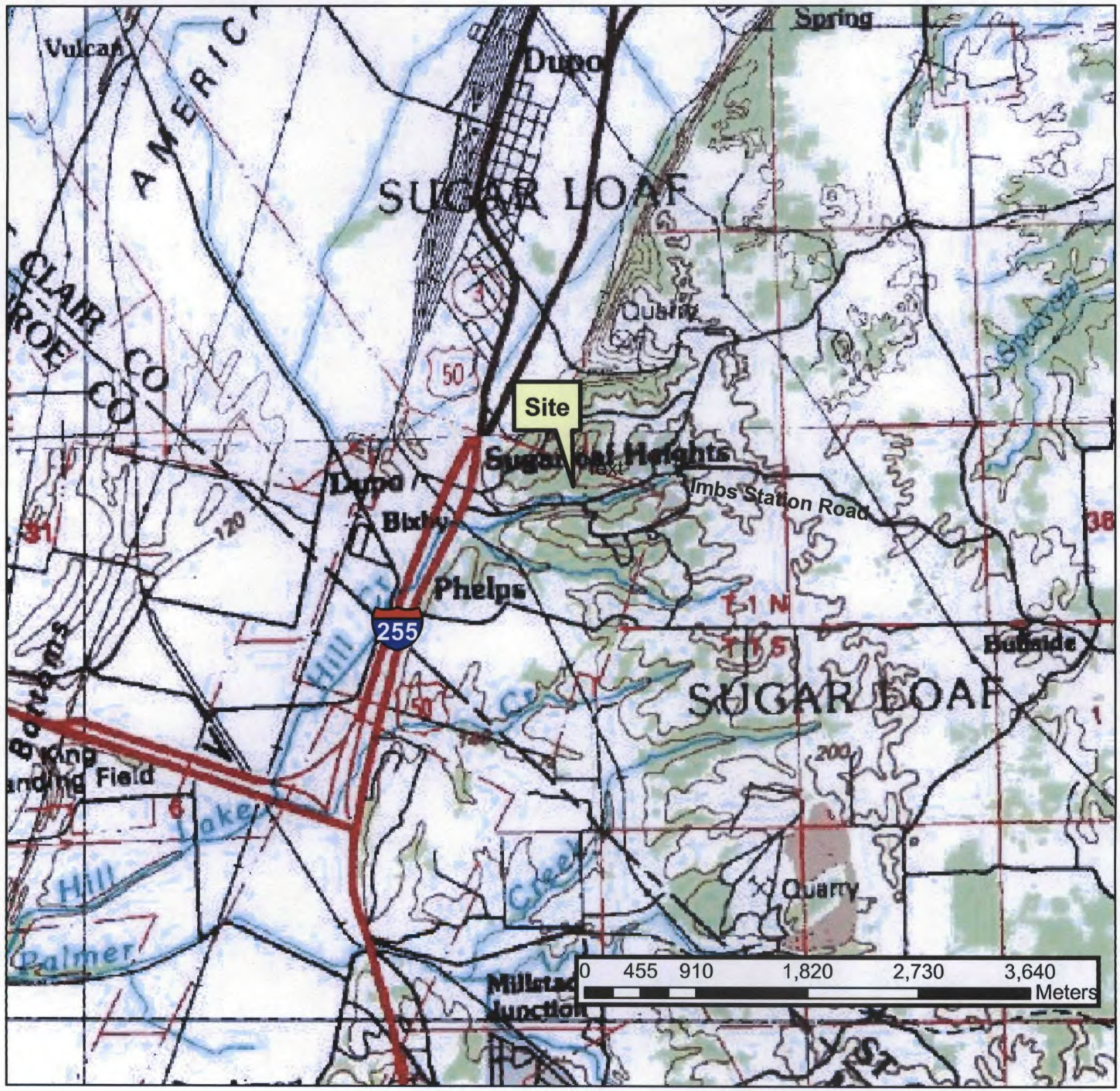


Figure 1
Ilada Waste Company
Site Location

N

Source: http://terraserver-usa.com/; courtesy of USGS; Topographical Map dated July 1982

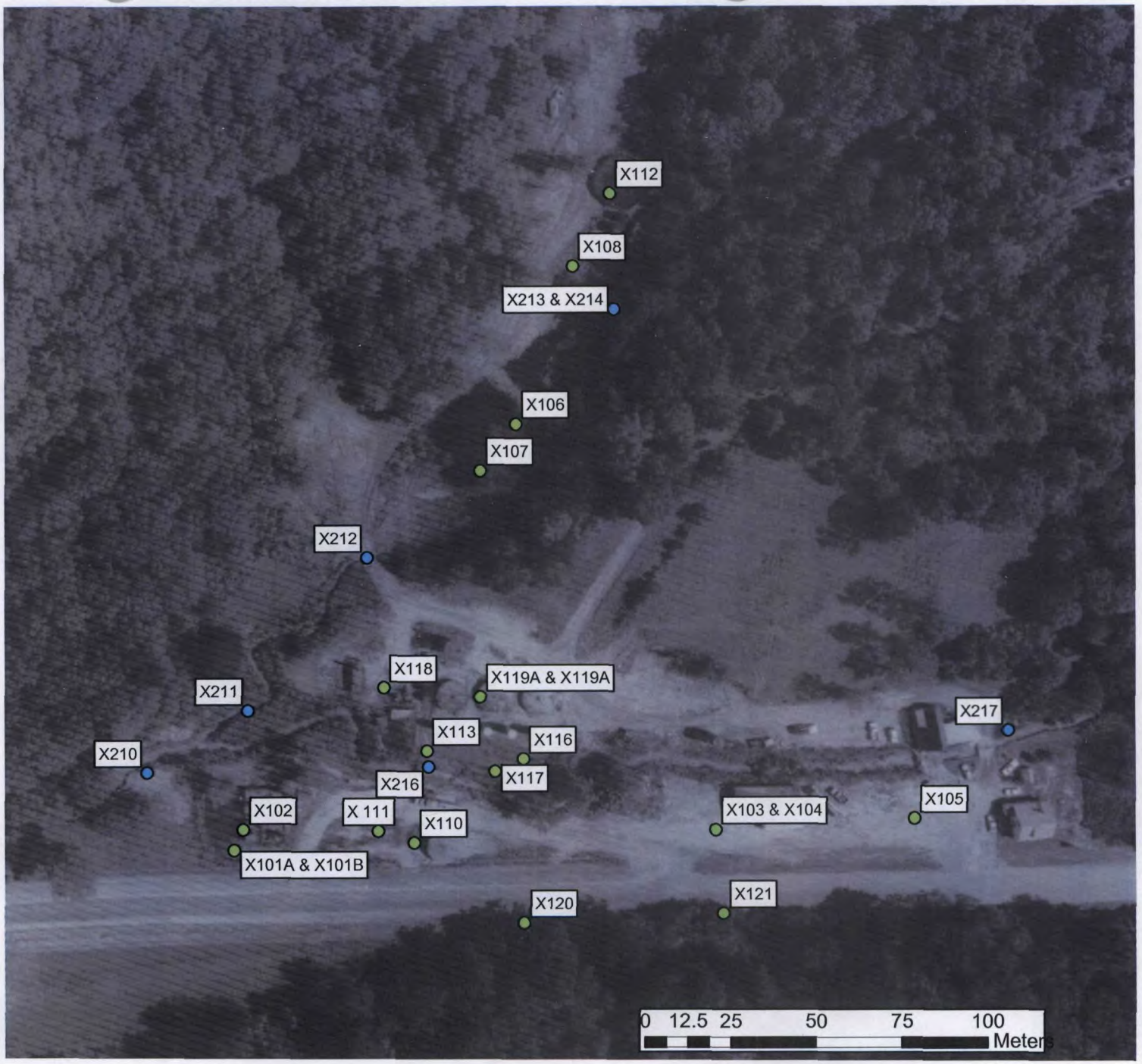


FIGURE 2

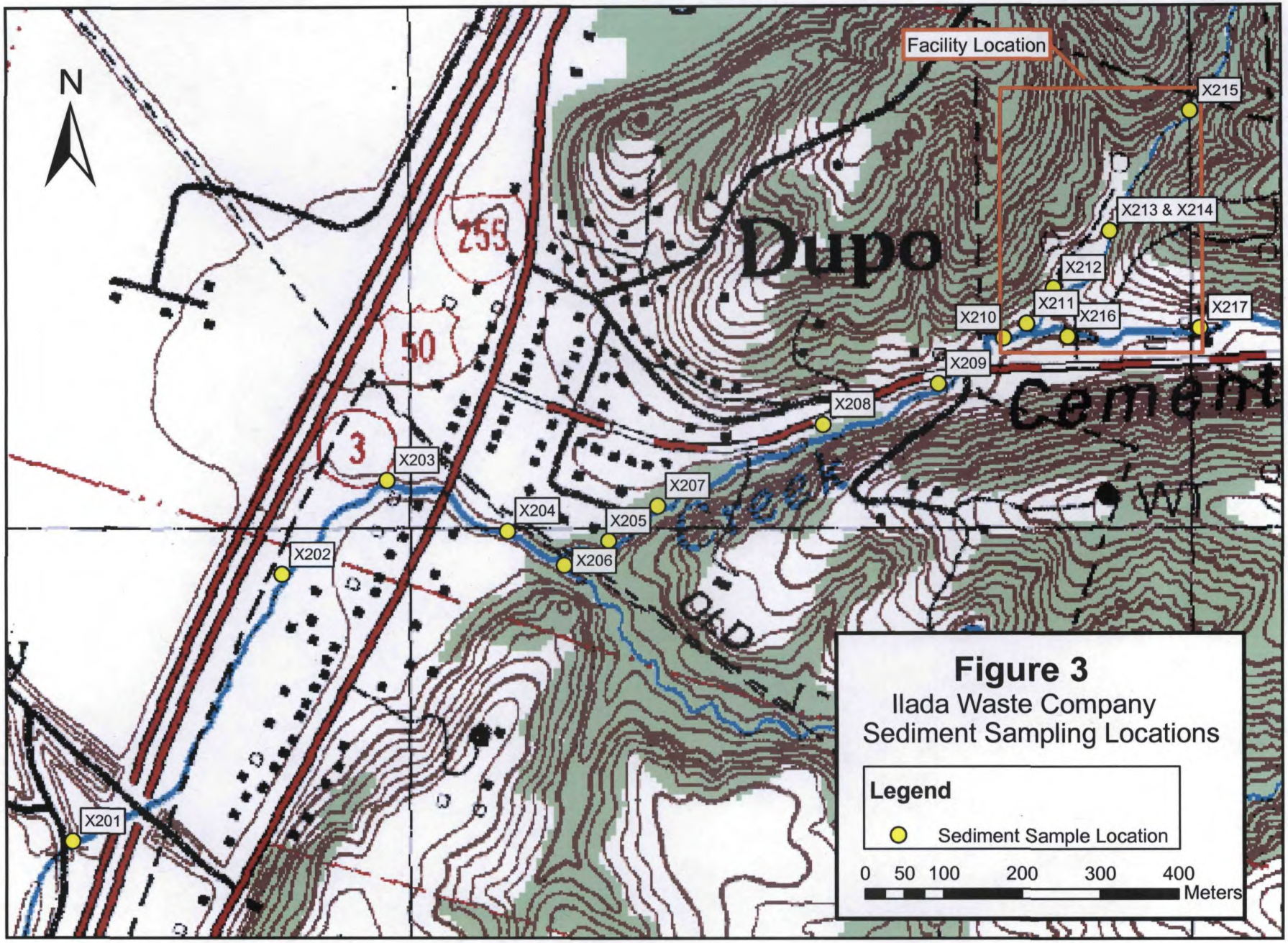
Ilada Waste Company

Expanded Site Inspection
Facility Sampling Locations

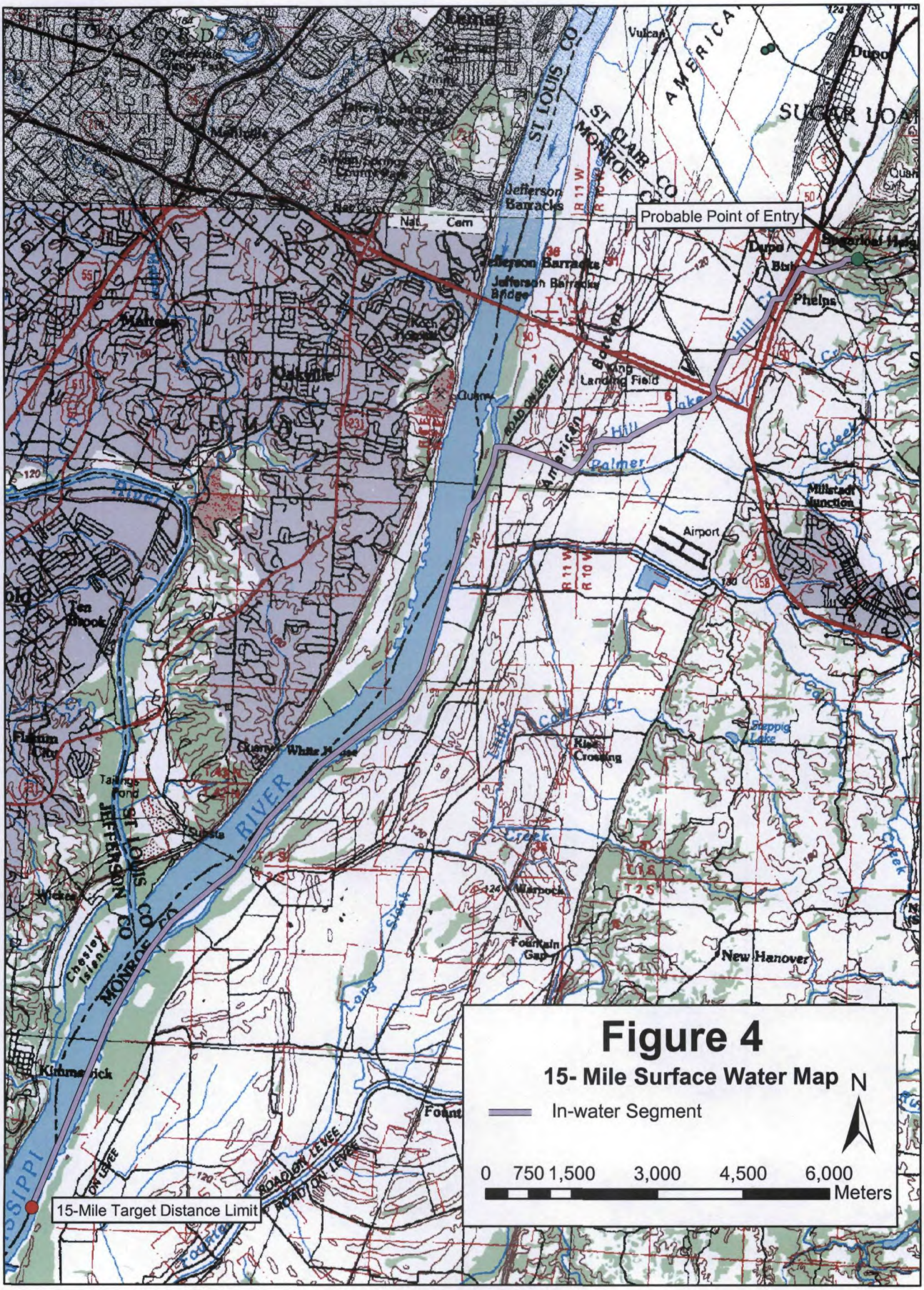
Legend

- Soil Sample Location
- Sediment Sample Location

N



Source: USGS 7.5 Minute Digital Raster Graphic Topographical Map, Columbia Quadrangle. 1991



Source: USGS 30x60 Minute Series Digital Raster Graphic Topographical Map; St. Louis and Festus Quadrangles. 1985

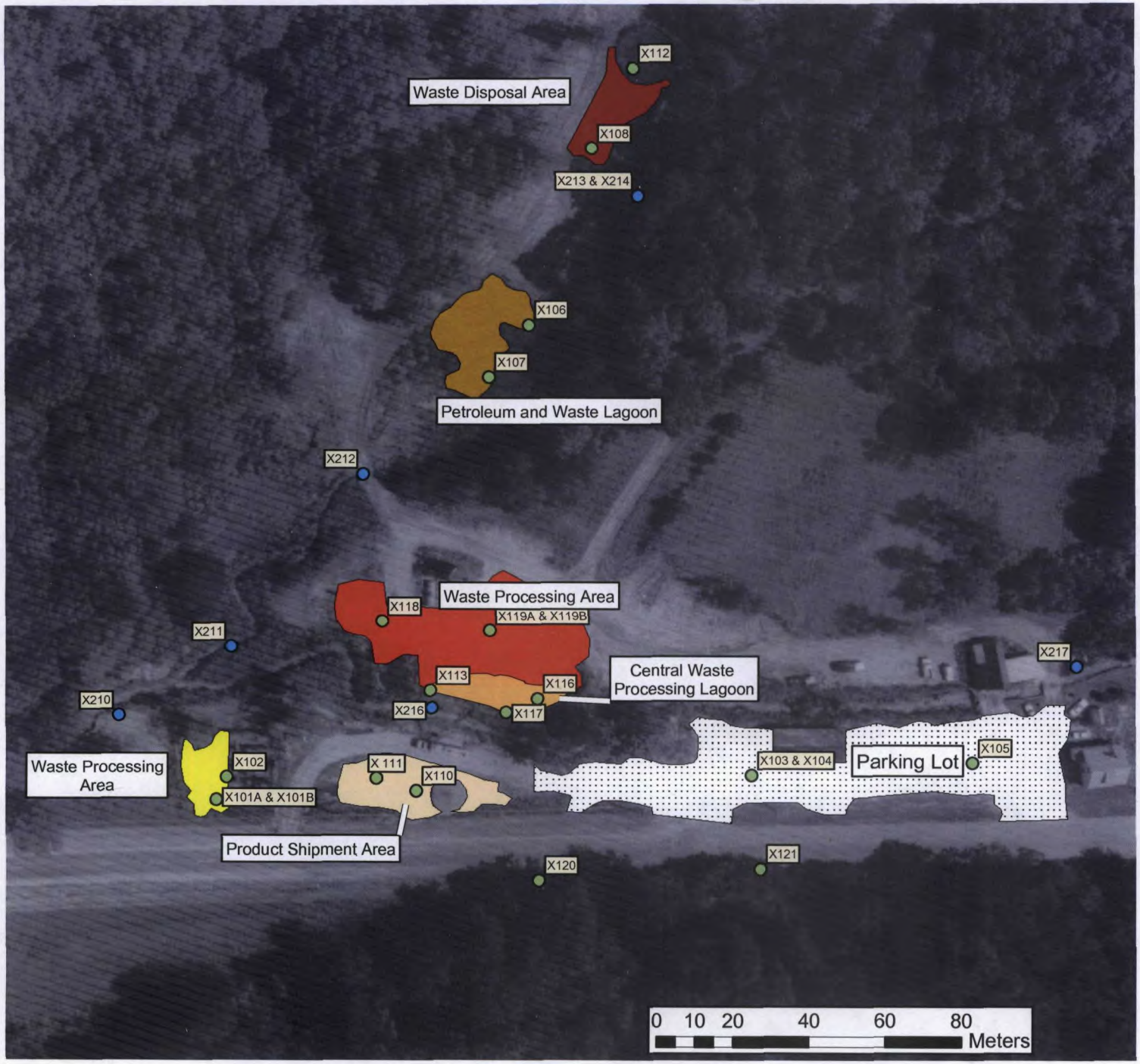


Figure 5

Ilada Waste Company

Facility Sources

Legend

- Soil Sample Location
- Sediment Sample Location

N

Source : Illinois Department of Transportation Aerial Photograph, May 20, 1981

Tables

Table 1
Sample Summary

Sample Date	Sample ID	Sample Time	Sample Depth in Feet	Sample Description	Sample Location Description
07/31/06	X201	1030	0.16	sediment sample - brown-gray soft clayey silt	Hill Creek approx. 1500 meters downgradient of facility after creek passes beneath I-255 and east of frontage road
07/31/06	X202	1110	0.33	sediment sample - brown-gray silty clay	Hill Creek approx. 1050 meters downgradient of facility adjacent to single family home to east
07/31/06	X203	1130	0.33	sediment sample - brown-gray silty clay	Hill Creek approx. 875 meters downgradient of facility within property boundary of single family home
07/31/06	X204	1220	0.16	sediment sample - brown-gray silty clay with trace sand	Hill Creek approx. 700 meters downgradient of facility adjacent to single family homes to north
07/31/06	X205	1240	0.5	sediment sample - light gray clayey silt with trace sand	Hill Creek approx. 560 meters downgradient of facility adjacent to single family homes to northwest
07/31/06	X206	1320	0.33	sediment sample - brown-gray sandy silt with some gravel	Unnamed creek flowing into Hill Creek approximately 625 meters downgradient of facility . Sample collected approximately 10 meters upgradent of confluence with Hill Creek
07/31/06	X207	1400	1	sediment sample - dark gray clayey silt with trace gravel	Hill Creek approx. 450 meters downgradient of facility within property boundary of single family home
07/31/06	X208	1510	0.66	sediment sample - dark gray clayey silt with trace gravel, noticable hydrocarbon odor. Sheen formed on water following sample collection	Hill Creek approx. 210 meters downgradient of facility, south of Imbs Station Road.
07/31/06	X209	1530	0.66	sediment sample - gray silty clay , noticable hydrocarbon odor. Sheen formed with sediment disturbance	Hill Creek aprox. 40 meters downgradient of facility, just south of Imbs Station Road in area where water pools after leaving the site and passing beneath the road
08/01/06	X210	1915	0.5	sediment sample - gray clayey silt with gravel and sand	Hill Creek, southwest portion of facility approx. 15 meters west of concrete and wood dam
08/01/06	X211	2000	0.25	sediment sample - brown silty clay with trace sand and gravel	Unnamed creek flowing southwest through facility, just upstream of confluence with Hill Creek
08/01/06	X212	2030	0.33	sediment sample - brown-gray clayey silt with some sand and gravel	Unnamed creek flowing southwest through facility, approx. 65 meters northeast of confluence with Hill Creek and 3 meters west of roadway leading north to injection well
08/02/06	X213/214	1050	0.083	sediment sample - gray silty clay with hydrocarbon staining and odor	Unnamed creek flowing southwest through facility, approx. 70 meters south of injection well

Sample Date	Sample ID	Sample Time	Sample Depth in Feet	Sample Description	Sample Location Description
08/02/06	X215	1200	0.083	sediment sample - medium to tan lay with black organic layer at surface	Unnamed creek flowing southwest through facility, approx. 90 meters north of apparent impacts from facility, considered background
08/02/06	X216	1325	0.5	sediment sample - gray silty clay with gravel, hydrocarbon odor and minor staining	Hill creek in the center of facility, south of former lagoon area and east of concrete bridge
08/02/06	X217	1350	0.25	sediment sample - dark gray clayey silt with small amount of gravel	Hill creek immediately east of approx. facility boundary, intended to be a background location
08/02/06	X230	1000	0.33	sediment sample - Repeat of sample X203 for Semi-Volatiles due to broken container during shipment	Hill Creek approx. 1050 meters downgradient of facility adjacent to single family home to east
07/31/06	X102	1545	6 - 7	soil sample - mottled gray/orange silty clay, hydrocarbon odor	Southwest corner of facility, beneath historical location of horizonatal tanks or immediately adjacent to tank location
08/01/06	X101A	0800	1.75 - 2	soil sample - gray silty clay, slight hydrocarbon odor	Area identified as surface water/lagoon based on historical air photos and inspections
08/01/06	X101B	0815	3.5 - 4.5	soil sample - gray silty clay, slight hydrocarbon odor, elevated PID reading	Area identified as surface water/lagoon based on historical air photos and inspections
08/01/06	X116	0800	3.5 - 4.5	soil sample - moist black paste/claylike material with hydrocarbon odor	Area identified as lagoon based on historical air photos, inspections,discussions with owner
08/01/06	X117	0900	3.5 - 4.5	soil sample - gray silty clay with hydrocarbon odor	Area identified as lagoon based on historical air photos, inspections,discussions with owner
08/01/06	X110	0915	1.75 - 2	soil sample - gray silty clay with hydrocarbon odor	Area immediately west of crude oil tank, southeast portion of facility
08/01/06	X118	1110	6 - 7	soil sample - gray clayey silt with hydrocarbon odor	Area between old still and pertoleum tanks according site owner and aerial photos
08/01/06	X106	1040	6 - 7	soil sample - dark gray silty clay with hydrocarbon odor	Old lagoon area based on aerial photos and identification by site owner
08/01/06	X112	1130	0.25	waste sample - paste-like, pertroleum crude material strong hydrocarbon odor	Large open-top storage tank immediately south of injection well
08/01/06	X107	1200	3.5	soil sample - gray silty clay with strong hydrocarbon odor	Old lagoon area based on aerial photos and identification by site owner
08/01/06	X119A	1210	1.75 - 2	soil sample - brown clayey silt with hydrocarbon odor	Location beneath large vertical storage tanks based on aerial photographs and identification by owner
08/01/06	X119B	1230	9 - 10	soil sample - gray silty clay with strong hydrocarbon odor	Location beneath large vertical storage tanks based on aerial photographs and identification by owner

Sample Date	Sample ID	Sample Time	Sample Depth in Feet	Sample Description	Sample Location Description
08/02/06	X111	0815	1 - 2	soil sample - tarry gray silt with gravel	Gravel parking lot / roadway east of horzontal tanks where tar seeps present at surface in close proximity
08/02/06	X103/X104	0925	0 - 1	soil sample - brown and gray silty clay	Gravel parking lot / roadway southwest of garage/repair shop
08/02/06	X105	1000	0 - 1	soil sample - brown and gray clay with slight hydrocarbon odor	Gravel parking lot / roadway west of abandoned house
08/02/06	X108	1130	1.5 - 2	soil sample - brown and gray clayey silt with strong hydrocarbon odor	Area south of injection well and oil processing area
08/02/06	X120	0900	1 - 1.5	soil sample - brown clayey silt/loam	South of the facility and Imbs Station road, north of woods
08/02/06	X121	0915	1 - 1.5	soil sample - brown clayey silt/loam	South of the facility and Imbs Station road, north of woods
08/02/06	X113	0930	1.5 - 2	soil sample - dark gray silty clay with hydrocarbon odor	Center of site, northeast of concrete bridge and east of ditch where owner said spill had occurred

Numbers Summary

18 Sediment Samples were collected from 16 locations
11 Shallow Soil Samples were collected from 10 locations
8 Deep Soil Samples were collected from 8 locations
1 Waste Sample was collected from 1 location

TABLE 2
Ilada Waste Company
Sediment Samples
TCL Metals Analysis Results in mg/Kg

Sampling Location : Matrix : Units :	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment mg/Kg		X201 Sediment mg/Kg		X202 Sediment mg/Kg		X203 Sediment mg/Kg		X204 Sediment mg/Kg		X205 Sediment mg/Kg		X206 Sediment mg/Kg		X207 Sediment mg/Kg		X208 Sediment mg/Kg		X209 Sediment mg/Kg	
ANALYTE			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	NA [3]	58030 PEC	10800		5850		9700		5390		6260		7340		3070		7150		7020		10700	
ANTIMONY	NA	NA	0.61	J	0.32	J	0.31	J	0.53	J	0.32	J	0.3	J	0.25	J	0.26	J	0.61	J	0.52	J
ARSENIC	6	8.2	8.7	J-	3.8		5.7		3.6		6.5		2.8		10.6		3.9		5.1		6.8	
BARIUM	NA	NA	137		111		200		114		154		110		106		295		147		92.8	
BERYLLIUM	NA	NA	0.69	J+	0.65	U	0.61	UJ	0.68	UJ	0.69	UJ	0.63	UJ	0.58	UJ	0.65	UJ	0.74	U	0.6	UJ
CADMIUM	0.6	1.2	0.03	J	0.65	U	0.61	UJ	0.68	UJ	0.69	UJ	0.63	UJ	0.58	UJ	0.65	UJ	0.18	J-	0.16	J-
CALCIUM	NA	NA	32800	J	7840	J	8480	J	51200	J	30300	J	2260	J	22400	J	7680	J	11600	J	23400	J
CHROMIUM	26	81	16.2		9.5		17.8		14.4		21.3		12.6		6.7		11		11.4		25.1	
COBALT	NA	NA	12.5		6.7		7		8.9		10.6		6.5		8.2		10.2		10.2		9.4	
COPPER	16	34	15.8		11.7		15.3		16.8		13.7		12.1		12.4		12.1		16.8		15.9	
IRON	20000	NA	19700		10600		15500		13300		15200		12400		11200		14600		12300		25600	
LEAD	31	47	17.7		12.7	J	10.8	J	13.7	J	17.7	J	7.9	J	5.7	J	13.7	J	29.7	J	10.2	J
MAGNESIUM	NA	NA	3090		1860	J	3100	J	8720	J	2380	J	1940	J	12800	J	1950	J	2150	J	2350	J
MANGANESE	460	NA	681	J	535	J	662	J	582	J	1060	J	272	J	942	J	1590	J	636	J	533	J
MERCURY	0.2	0.15	0.15	U	0.15	U	0.14	U	0.13	U	0.14	U	0.13	U	0.12	U	0.15	U	0.15	U	0.13	U
NICKEL	16	21	21.6		11.7		14.9		14.6		15.8		15.6		18.8		13.8		15.4		23.6	
POTASSIUM	NA	NA	1590	J	824		1680		768		870		970		583	U	1020		926		957	
SELENIUM	NA	NA	4.7	U	4.5	U	4.3	U	4.8	U	4.9	U	0.59	J+	4.1	U	4.5	U	0.53	J	0.64	J+
SILVER	NA	NA	1.4	U	1.3	U	1.2	U	1.4	U	1.4	U	1.3	U	1.2	U	1.3	U	1.5	U	1.2	U
SODIUM	NA	NA	678	U	646	U	614	U	681	U	695	U	628	U	583	U	646	U	736	U	602	U
THALLIUM	NA	NA	3.4	U	3.2	U	3.1	U	3.4	U	3.5	U	3.1	U	2.9	U	3.2	U	3.7	U	3	U
VANADIUM	NA	NA	30.1		18.3		22.4		20.3		24.5		22.9		19.3		25.3		23		29.5	
ZINC	120	150	66.3		37.2		44.8		36.9		47.7		33.9		25.2		38.8		54.3		47	
CYANIDE	NA	NA	0.31	J	3.5	U	3.3	U	3.4	U	3.7	U	3.3	U	3.1	U	3.5	U	3.7	U	3.2	U

NOTES:
1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
3 NA - No Benchmark Exits for Analyte
4 **8.7** Indicates concentration above benchmark
5 20.2 Indicates concentration meets criteria for observed release (3x background in most cases)
6 J Indicates concentration is estimated
7 J+ Indicates concentration is estimated; value probably less than reported
8 J- Indicates concentration is estimated; value probably greater than reported
9 U Indicates analyte undetected by lab equipment
10 UJ Indicates analyte undetected by lab equipment

TABLE 2 - continued
Ilada Waste Company
Sediment Samples
TCL Metals Analysis Results in mg/Kg

Sampling Location : Matrix : Units :	Ontario Sediment Benchark for Lowest Effect Level	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment mg/Kg		X210 Sediment mg/Kg		X211 Sediment mg/Kg		X212 Sediment mg/Kg		X213 Sediment mg/Kg		X214 Sediment mg/Kg		X216 Sediment mg/Kg		X217 Sediment mg/Kg	
ANALYTE	[1]		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	NA [3]	58030 PEC	10800		5530		8410		8020		9610		8900		6300		7240	
ANTIMONY	**NA**	**NA**	**0.61**	J	**0.33**	J	**0.52**	J	**0.43**	J	**0.41**	J	**0.44**	J	**0.36**	J	**0.32**	J
ARSENIC	6	8.2	**8.7**	J-	5.1	J-	**7.2**	J-	**9**	J-	4.1	J-	5.7	J-	4.8	J-	4.4	J-
BARIUM	**NA**	**NA**	**137**		**122**		**174**		**165**		**165**		**171**		**315**		**107**	
BERYLLIUM	NA	NA	0.69	J+	0.57	U	0.59	U	0.8	U	0.63	U	0.61	U	0.59	U	0.68	U
CADMIUM	**0.6**	**1.2**	**0.03**	J	**0.57**	U	**0.59**	U	**0.8**	U	**0.63**	U	**0.85**		**0.13**	J	**0.68**	U
CALCIUM	NA	NA	32800	J	105000	J	3180	J	45400	J	3730	J	3160	J	41800	J	13700	J
CHROMIUM	**26**	**81**	**16.2**		**11**		**16**		**17.6**		**15.5**		**14.4**		**21.7**		**11.7**	
COBALT	NA	NA	12.5		10.5		7.4		12.2		9.5		13		12.2		6.7	J
COPPER	**16**	**34**	**15.3**		**11.3**		**10.3**		**25.9**		**11.6**		**10.8**		**9.1**		**11.1**	
IRON	20000	NA	19700		13000		17400		16900		16500		16200		15900		11600	
LEAD	**31**	**47**	**17.7**		**24.7**		**11.2**		**36.6**		**10.8**		**10.7**		**10.2**		**14.7**	
MAGNESIUM	NA	NA	3090		4570		2240		5050		2690		2290		2100		2720	
MANGANESE	**460**	**NA**	**681**	J	**945**	J	**377**	J	**834**	J	**164**	J	**171**	J	**1610**	J	**625**	J
MERCURY	0.2	0.15	0.15	U	0.11	U	0.12	U	0.16	U	0.13	U	0.12	U	0.12	U	0.15	U
NICKEL	**16**	**21**	**21.6**		**14.6**		**16.2**		**19.4**		**19.2**		**20.8**		**23.3**		**13.9**	
POTASSIUM	NA	NA	1590	J	848	J	1190	J	1290	J	1470	J	1360	J	931	J	1040	J
SELENIUM	**NA**	**NA**	**4.7**	U	**4**	U	**4.1**	U	**5.6**	U	**4.4**	U	**4.3**	U	**4.1**	U	**4.8**	U
SILVER	NA	NA	1.4	U	1.1	U	1.2	U	1.6	U	1.3	U	1.2	U	1.2	U	1.4	U
SODIUM	**NA**	**NA**	**678**	U	**573**	U	**588**	U	**804**	U	**630**	U	**609**	U	**591**	U	**681**	U
THALLIUM	NA	NA	3.4	U	2.9	U	2.9	U	4	U	3.1	U	3	U	3	U	3.4	U
VANADIUM	**NA**	**NA**	**30.1**		**20.2**		**25.6**		**25.5**		**24.4**		**23.3**		**27.6**		**21.7**	
ZINC	120	150	66.3		49.8		43.1		74.7		46.8		46.3		41.2		47.9	
CYANIDE	**NA**	**NA**	**0.31**	J	**0.2**	J	**0.26**	J	**0.28**	J	**20.2**		**193**		**0.44**	J	**334**	

NOTES: 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

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3 NA - No Benchmark Exits for Analyte

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TABLE 3
Ilada Waste Company
Sediment Analytical Results
TCL Volatile Organic Compounds (ug/Kg)

	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X201 Sediment ug/Kg		X202 Sediment ug/Kg		X203 Sediment ug/Kg		X204 Sediment ug/Kg		X205 Sediment ug/Kg	
Organic Compound			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	NA	170	7.7	UJ	470	U	490	U	390	U	540	U	480	U
1,1,2,2-Tetrachloroethane	NA	940	7.7	U	470	U	490	U	390	U	540	U	480	U
1,1,2-Trichloro-1,2,2-trifluoro	NA	NA	7	U	470	U	490	U	390	U	540	U	480	U
1,1,2-Trichloroethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,1-Dichloroethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,1-Dichloroethene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,2,3-Trichlorobenzene	NA	NA	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
1,2,4-Trichlorobenzene	NA	9200	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
1,2-Dibromo-3-chloropropan	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,2-Dibromoethane (EDB)	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,2-Dichlorobenzene	NA	340	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
1,2-Dichloroethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,2-Dichloropropane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
1,3-Dichlorobenzene	NA	1700	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
1,4-Dichlorobenzene	NA	350	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
1,4-Dioxane	NA	NA	150	R	9300	R	9800	R	7800	R	11000	R	9500	R
2-Butanone (MEK)	NA	NA	15	U	930	U	980	U	780	U	1100	U	950	U
2-Hexanone	NA	NA	15	U	930	U	980	U	780	U	1100	U	950	U
4-Methyl-2-pentanone (MIBK	NA	NA	15	U	930	U	980	U	780	U	1100	U	950	U
Acetone	NA	NA	54		27		980	U	14	J	22		1200	U
Benzene	NA	57	7.7	U	470	U	490	U	390	U	540	U	480	U
Bromochloromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Bromodichloromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Bromoform	NA	NA	7.7	UJ	470	U	490	U	390	U	540	U	480	U
Bromomethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Carbon Disulfide	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Carbon Tetrachloride	NA	NA	7.7	UJ	470	U	490	U	390	U	540	U	480	U
Chlorobenzene	NA	820	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
Chloroethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Chloroform	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Chloromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
cis-1,2-Dichloroethene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
cis-1,3-Dichloropropene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
cyclohexane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Dibromochloromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Dichlorodifluoromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Ethylbenzene	NA	3600	7.7	U	470	U	490	U	390	U	540	U	480	U
Isopropylbenzene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
m,p-xylene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Methyl acetate	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Methyl-tert-butyl-ether (MTBE	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Methylcyclohexane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Methylene chloride	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
o-xylene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Styrene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Tetrachloroethene	NA	530	7.7	U	470	U	490	U	390	U	540	U	480	U
Toluene	NA	670	7.7	U	470	U	490	U	390	U	540	U	480	U
trans-1,2-Dichloroethene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
trans-1,3-Dichloropropene	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Trichloroethene	NA	1600	7.7	U	470	U	490	U	390	U	540	U	480	U
Trichlorofluoromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	U	480	U
Vinyl Chloride	NA	NA	7.7	U	470	U	490	UJ	390	U	540	U	480	UJ

NOTES:

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2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 U Indicates analyte not detected at or above stated limit

5 J Result is an estimated value

6 UJ Indicates analyte not detected at or above stated limit

7 R - Indicates data rejected and unusable for any purpose

TABLE 3 - continued
Ilada Waste Company
Sediment Analytical Results
TCL Volatile Organic Compounds (ug/Kg)

Organic Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X206 Sediment ug/Kg		X207 Sediment ug/Kg		X208 Sediment ug/Kg		X209 Sediment ug/Kg		X210 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	NA	170	7.7	UJ	450	U	500	U	380	UJ	360	U	6	UJ
1,1,2,2-Tetrachloroethane	NA	940	7.7	U	450	U	500	U	380	UJ	360	U	6	U
1,1,2-Trichloro-1,2,2-trifluoro	NA	NA	7	U	450	U	500	U	380	UJ	360	U	6	U
1,1,2-Trichloroethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	UJ	6	U
1,1-Dichloroethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
1,1-Dichloroethene	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
1,2,3-Trichlorobenzene	NA	NA	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	U
1,2,4-Trichlorobenzene	NA	9200	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	U
1,2-Dibromo-3-chloropropane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
1,2-Dibromoethane (EDB)	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
1,2-Dichlorobenzene	NA	340	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	U
1,2-Dichloroethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
1,2-Dichloropropane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
1,3-Dichlorobenzene	NA	1700	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	U
1,4-Dichlorobenzene	NA	350	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	U
1,4-Dioxane	NA	NA	150	R	9000	R	10000	R	7700	R	7100	R	120	R
2-Butanone (MEK)	NA	NA	15	U	900	U	20	J	8.1	J	17		12	U
2-Hexanone	NA	NA	15	U	900	U	1000	U	770	U	710	U	12	U
4-Methyl-2-pentanone (MIBK	NA	NA	15	U	900	U	1000	U	770	U	710	U	12	U
Acetone	NA	NA	54		450	U	65		25		53		17	
Benzene	NA	57	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Bromochloromethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Bromodichloromethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Bromoform	NA	NA	7.7	UJ	450	U	500	U	380	UJ	360	U	6	UJ
Bromomethane	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
Carbon Disulfide	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
Carbon Tetrachloride	NA	NA	7.7	UJ	450	U	500	U	380	UJ	360	U	6	UJ
Chlorobenzene	NA	820	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	U
Chloroethane	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
Chloroform	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Chloromethane	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
cis-1,2-Dichloroethene	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
cis-1,3-Dichloropropene	NA	NA	7.7	U	450	U	500	U	380	UJ	360	UJ	6	U
Cyclohexane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Dibromochloromethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Dichlorodifluoromethane	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
Ethylbenzene	NA	3600	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Isopropylbenzene	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
m,p-xylene	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Methyl acetate	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Methyl-tert-butyl-ether (MTBE	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Methylcyclohexane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Methylene chloride	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
o-xylene	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Styrene	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Tetrachloroethene	NA	530	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Toluene	NA	670	7.7	U	450	U	500	U	380	UJ	10		6	U
trans-1,2-Dichloroethene	NA	NA	7.7	U	450	U	500	U	380	U	360	U	6	U
trans-1,3-Dichloropropene	NA	NA	7.7	U	450	U	500	U	380	UJ	360	UJ	6	U
Trichloroethene	NA	1600	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Trichlorofluoromethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	U
Vinyl Chloride	NA	NA	7.7	U	450	UJ	500	UJ	380	U	360	UJ	6	U

NOTES:

1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 U Indicates analyte not detected at or above stated limit

5 J Result is an estimated value

6 UJ Indicates analyte not detected at or above stated limit

7 R - Indicates data rejected and unusable for any purpose

TABLE 3 - continued
Ilada Waste Company
Sediment Analytical Results
TCL Volatile Organic Compounds (ug/Kg)

Organic Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X211 Sediment ug/Kg		X212 Sediment ug/Kg		X213 Sediment ug/Kg		X214 Sediment ug/Kg		X216 Sediment ug/Kg		X217 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	NA	170	7.7	UJ	6.8	UJ	6.6	UJ	6.9	UJ	6.5	UJ	4.6	UJ	7.3	UJ
1,1,2,2-Tetrachloroethane	NA	940	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,1,2-Trichloro-1,2,2-trifluoro	NA	NA	7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,1,2-Trichloroethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,1-Dichloroethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,1-Dichloroethene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,2,3-Trichlorobenzene	NA	NA	7.7	UJ	6.8	U	6.6	UJ	6.9	U	6.5	U	4.6	U	7.3	UJ
1,2,4-Trichlorobenzene	NA	9200	7.7	UJ	6.8	U	6.6	UJ	6.9	U	6.5	U	4.6	U	7.3	UJ
1,2-Dibromo-3-chloropropan	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,2-Dibromoethane (EDB)	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,2-Dichlorobenzene	NA	340	7.7	UJ	6.8	U	6.6	UJ	6.9	U	6.5	U	4.6	U	7.3	UJ
1,2-Dichloroethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,2-Dichloropropane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
1,3-Dichlorobenzene	NA	1700	7.7	UJ	6.8	U	6.6	UJ	6.9	U	6.5	U	4.6	U	7.3	UJ
1,4-Dichlorobenzene	NA	350	7.7	UJ	6.8	U	6.6	UJ	6.9	U	6.5	U	2.9	J	7.3	UJ
1,4-Dioxane	NA	NA	150	R	140	R	130	R	140	R	130	R	91	R	150	R
2-Butanone (MEK)	NA	NA	15	U	14	U	14		14	U	13	U	9.1	U	15	U
2-Hexanone	NA	NA	15	U	14	U	13	U	14	U	13	U	4.8	U	15	U
4-Methyl-2-pentanone (MIBK	NA	NA	15	U	14	U	13	U	14	U	13	U	9.1	U	15	U
Acetone	NA	NA	54		3.6	J	46	J	18		18		23		17	
Benzene	NA	57	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	UJ	7.3	U
Bromochloromethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Bromodichloromethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Bromoform	NA	NA	7.7	UJ	6.8	UJ	6.6	UJ	6.9	UJ	6.5	UJ	4.6	UJ	7.3	UJ
Bromomethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Carbon Disulfide	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Carbon Tetrachloride	NA	NA	7.7	UJ	6.8	UJ	6.6	UJ	6.9	UJ	6.5	UJ	4.6	UJ	7.3	UJ
Chlorobenzene	NA	820	7.7	UJ	6.8	U	6.6	UJ	6.9	U	6.5	U	4.6	U	7.3	UJ
Chloroethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Chloroform	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Chloromethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
cis-1,2-Dichloroethene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
cis-1,3-Dichloropropene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
cyclohexane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Dibromochloromethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Dichlorodifluoromethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Ethylbenzene	NA	3600	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Isopropylbenzene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
m,p-xylene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Methyl acetate	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Methyl-tert-butyl-ether (MTBE	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Methylcyclohexane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	31		4.6	U	7.3	U
Methylene chloride	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
o-xylene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Styrene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Tetrachloroethene	NA	530	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Toluene	NA	670	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
trans-1,2-Dichloroethene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
trans-1,3-Dichloropropene	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Trichloroethene	NA	1600	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Trichlorofluoromethane	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U
Vinyl Chloride	NA	NA	7.7	U	6.8	U	6.6	U	6.9	U	6.5	U	4.6	U	7.3	U

NOTES:

1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 U *Indicates analyte not detected at or above stated limit*

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6 UJ Indicates analyte not detected at or above stated limit

7 R - Indicates data rejected and unusable for any purpose

TABLE 4
Ilada Waste Company
Sediment Analytical Results
Semi-volatile Organic Compounds (ug/Kg)

Volatile Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X201 Sediment ug/Kg		X202 Sediment ug/Kg		X230 [9] Sediment ug/Kg		X204 Sediment ug/Kg		X205 Sediment ug/Kg		X206 Sediment ug/Kg		X207 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	NA	NA	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
1,2,4,5-Tetrachlorobenzene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,2-oxybis (1-chloropropane)	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,3,4,6-Tetrachlorophenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,4,5-Trichlorophenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,4,6-Trichlorophenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,4-Dichlorophenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,4-Dimethylphenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,4-Dinitrophenol	NA	NA	490	U	620	U	650	U	400	U	660	U	630	U	600	U	690	U
2,4-Dinitrotoluene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2,6-Dinitrotoluene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2-Chloronaphthalene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2-Chlorophenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2-Methylnaphthalene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2-Methylphenol (o-cresol)	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
2-Nitroaniline	NA	NA	490	U	620	U	650	U	400	U	660	U	630	U	600	U	690	U
2-Nitrophenol	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
3,3-Dichlorobenzene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
3-Nitroaniline	NA	NA	490	U	620	U	650	U	400	U	660	U	630	U	600	U	690	U
4,6 Dinitro 2-methylphenol	NA	NA	490	U	620	U	650	U	400	U	660	U	630	U	600	U	690	U
4-Bromophenyl phenyl ether	NA	1300	250	U	320	U	330	UJ	210	U	340	U	330	UJ	310	U	360	U
4-Chloro-3-methylphenol	NA	NA	250	UJ	320	U	330	U	210	U	340	UJ	330	U	310	U	360	U
4-Chloroaniline	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
4-Chlorophenyl phenylether	NA	NA	250	U	320	U	330	UJ	210	U	340	U	330	UJ	310	U	360	U
4-Methylphenol (m/p-cresol)	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
4-Nitroaniline	NA	NA	490	U	620	U	650	U	400	U	660	U	630	U	600	U	690	U
4-Nitrophenol	NA	NA	490	U	620	U	650	U	400	U	660	U	630	U	600	U	690	U
Acenaphthene	NA	620	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Acenaphthylene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Acetophenone	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Anthracene	220	31.62	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Atrazine	NA	NA	250	U	320	U	330	U	210	UJ	340	U	330	U	310	U	360	U
Benzaldehyde	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Benzo(a)anthracene	320	NA	250	U	84	J	330	U	150	J	340	U	330	UJ	310	U	360	U
Benzo(a)pyrene	370	0.43	15	J	95	J	330	U	84	J	340	U	330	UJ	37	J	210	J
Benzo(b)fluoranthene	NA	NA	18	U	90	J	330	U	190	J	340	U	330	UJ	31	J	360	U
Benzo(g,h,i)perylene	170	290	250	U	48	J	330	U	31	J	340	U	330	UJ	310	U	360	U
Benzo(k)fluoranthene	NA	NA	14	U	38	J	330	U	71	J	340	U	330	UJ	310	U	360	U
bis(2-Chloroethoxy)methane	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
bis-(2-Chloroethyl) ether	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Bis(2-ethylhexyl)phthalate	NA	NA	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
Butyl benzyl phthalate	NA	11000	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
Caprolactam	NA	NA	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
Carbazole	NA	NA	250	U	320	U	330	UJ	210	U	340	U	330	UJ	310	U	360	U
Chrysene	340	500	7	J	98	J	330	U	100	J	35	J	330	UJ	30	J	360	U
Dibenzo(a,h)anthracene	60	NA	250	U	320	U	330	U	210	U	340	U	330	UJ	310	U	360	U
Dibenzofuran	NA	NA	250	U	320	U	330	UJ	210	U	340	U	330	UJ	310	U	360	U
Dibromochloromethane	NA	NA	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
Dimethyl phthalate	NA	NA	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
Di-n-butyl phthalate	NA	11000	250	U	320	U	330	UJ	210	U	340	UJ	330	UJ	310	U	360	U
Di-n-octyl phthalate	NA	NA	250	U	59	J	38	J	210	UJ	340	UJ	330	UJ	38	J	70	J
Fluoranthene	750	2500	5.3	J	120	J	330	U	540		71	J	330	UJ	51	J	360	U

TABLE 4
Ilada Waste Company
Sediment Analytical Results
Semi-volatile Organic Compounds (ug/Kg)

Volatile Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X201 Sediment ug/Kg		X202 Sediment ug/Kg		X230 [9] Sediment ug/Kg		X204 Sediment ug/Kg		X205 Sediment ug/Kg		X206 Sediment ug/Kg		X207 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	190	34.64	250	U	320	U	330	UJ	210	U	340	U	330	UJ	310	U	360	U
Hexachlorobenzene	**NA**	**NA**	**250**	**U**	**320**	**U**	**330**	**U**	**210**	**U**	**340**	**U**	**330**	**U**	**310**	**U**	**360**	**U**
Hexachlorobutadiene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Hexachlorocyclopentadiene	**NA**	**NA**	**250**	**U**	**320**	**U**	**330**	**U**	**210**	**UJ**	**340**	**U**	**330**	**U**	**310**	**U**	**360**	**U**
Hexachloroethane	NA	1000	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Indeno(1,2,3-cd)pyrene	**200**	**78**	**250**	**U**	**37**	**J**	**330**	**U**	**30**	**J**	**340**	**U**	**330**	**UJ**	**310**	**U**	**360**	**U**
Isophorone	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Naphthalene	**NA**	**480**	**250**	**U**	**320**	**U**	**330**	**U**	**210**	**U**	**340**	**U**	**330**	**U**	**310**	**U**	**360**	**U**
Nitrobenzene	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
n-Nitroso-di-n-propylamine	**NA**	**NA**	**250**	**U**	**320**	**U**	**330**	**U**	**210**	**U**	**340**	**U**	**330**	**U**	**310**	**U**	**360**	**U**
n-Nitrosodiphenylamine	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	U
Pentachlorophenol	**NA**	**NA**	**490**	**U**	**620**	**U**	**650**	**U**	**400**	**U**	**660**	**U**	**630**	**U**	**600**	**U**	**690**	**U**
Phenanthrene	560	850	250	U	170	J	330	U	210	U	35	J	330	U	310	U	360	U
Phenol	**NA**	**NA**	**250**	**U**	**320**	**U**	**330**	**U**	**210**	**U**	**340**	**U**	**330**	**U**	**310**	**U**	**360**	**U**
Pyrene	490	660	5.2	J	200	J	330	U	380		92	J	330	UJ	48	J	360	U

NOTES:
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2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
3 NA - Indicates no benchmark identified for compound
4 **15** - Indicates concentration above Sediment Screening Benchmark
5 190 Indicates concentration meets criteria for observed release (3x background in most cases)
6 U Indicates analyte not detected at or above stated limit
7 J Result is an estimated value
8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
9 Sample X230 was collected from same location as X203 (original sample damaged in shipment).

TABLE 4 - continued
Ilada Waste Company
Sediment Analytical Results
Semi-volatile Organic Compounds (ug/Kg)

Volatile Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X208 Sediment ug/Kg		X209 Sediment ug/Kg		X210 Sediment ug/Kg		X211 Sediment ug/Kg		X212 Sediment ug/Kg		X213 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
1,2,4,5-Tetrachlorobenzene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,2-oxybis (1-chloropropane)	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,3,4,6-Tetrachlorophenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,4,5-Trichlorophenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,4,6-Trichlorophenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,4-Dichlorophenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,4-Dimethylphenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,4-Dinitrophenol	NA	NA	490	U	490	U	510	U	420	U	420	U	510	U	430	U
2,4-Dinitrotoluene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2,6-Dinitrotoluene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2-Chloronaphthalene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2-Chlorophenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2-Methylnaphthalene	NA	NA	250	U	25	J	260	U	4.1	J	220	U	260	U	220	U
2-Methylphenol (o-cresol)	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
2-Nitroaniline	NA	NA	490	U	490	U	510	U	420	U	420	U	510	U	430	U
2-Nitrophenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
3,3-Dichlorobenzene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
3-Nitroaniline	NA	NA	490	U	490	U	510	U	420	U	420	U	510	U	430	U
4,6 Dinitro 2-methylphenol	NA	NA	490	U	490	U	510	U	420	U	420	U	510	U	430	U
4-Bromophenyl phenyl ether	NA	1300	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
4-Chloro-3-methylphenol	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
4-Chloroaniline	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
4-Chlorophenyl phenyl ether	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
4-Methylphenol (m/p-cresol)	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
4-Nitroaniline	NA	NA	490	U	490	U	510	U	420	U	420	U	510	U	430	U
4-Nitrophenol	NA	NA	490	U	490	U	510	U	420	U	420	U	510	U	430	U
Acenaphthene	NA	620	250	U	27	J	260	UJ	220	U	220	UJ	260	U	220	U
Acenaphthylene	NA	NA	250	U	240	J	260	U	17	J	220	U	45	J	220	U
Acetophenone	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Anthracene	220	31.62	250	U	100	J	50	J	10	J	220	U	17	J	220	U
Atrazine	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Benzaldehyde	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Benzo(a)anthracene	320	NA	250	U	380		250	J	43	J	220	U	88	U	220	U
Benzo(a)pyrene	370	0.43	15	J	700		240	J	90	J	15	J	200	J	15	J
Benzo(b)fluoranthene	NA	NA	18	J	680		390		81	J	18	J	210	U	31	J
Benzo(g,h,i)perylene	170	290	250	U	480		110	J	66	J	220	U	120	J	220	U
Benzo(k)fluoranthene	NA	NA	14	J	180	U	140	U	48	U	16	J	68	U	220	U
bis(2-Chloroethoxy)methane	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
bis-(2-Chloroethyl) ether	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Bis(2-ethylhexyl)phthalate	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Butyl benzyl phthalate	NA	11000	250	U	250	U	260	UJ	11	J	220	UJ	18	J	220	U
Caprolactam	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Carbazole	NA	NA	250	U	250	U	62	J	2.9	J	220	UJ	43	J	220	U
Chrysene	340	500	7	J	520		340		47	J	9.6	J	92	J	71	J
Dibenzo(a,h)anthracene	60	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Dibenzofuran	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Dibromochloromethane	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Dimethyl phthalate	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Di-n-butyl phthalate	NA	11000	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Di-n-octyl phthalate	NA	NA	250	U	250	U	260	UJ	220	U	220	UJ	260	U	220	U
Fluoranthene	750	2900	5.3	J	500		670		45	J	220	U	110	J	220	U

TABLE 4 - continued
Ilada Waste Company
Sediment Analytical Results
Semi-volatile Organic Compounds (ug/Kg)

	Ontario Sediment Benchark for Lowest Effect	United States EPA Ecotox Thresholds or ARCS Effect	Background Sediment ug/Kg		X208 Sediment ug/Kg		X209 Sediment ug/Kg		X210 Sediment ug/Kg		X211 Sediment ug/Kg		X212 Sediment ug/Kg		X213 Sediment ug/Kg	
Volatile Compound	Level [1]	Concentrations [2]	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	190	34.64	250	U	39	J	260	UJ	220	U	220	UJ	260	U	220	U
Hexachlorobenzene	**NA**	**NA**	**250**	**U**	**250**	**U**	**260**	**U**	**220**	**U**	**220**	**U**	**260**	**U**	**220**	**U**
Hexachlorobutadiene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Hexachlorocyclopentadiene	**NA**	**NA**	**250**	**U**	**250**	**U**	**260**	**UJ**	**220**	**U**	**220**	**U**	**260**	**U**	**220**	**U**
Hexachloroethane	NA	1000	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Indeno(1,2,3-cd)pyrene	**200**	**78**	**250**	**U**	**350**		**110**	**J**	**45**	**J**	**220**	**U**	**87**	**J**	**220**	**U**
Isophorone	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Naphthalene	**NA**	**480**	**250**	**U**	**27**	**J**	**260**	**U**	**220**	**U**	**220**	**U**	**260**	**U**	**220**	**U**
Nitrobenzene	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
n-Nitroso-di-n-propylamine	**NA**	**NA**	**250**	**U**	**250**	**U**	**260**	**U**	**220**	**U**	**220**	**U**	**260**	**U**	**220**	**U**
n-Nitrosodiphenylamine	NA	NA	250	U	250	U	260	U	220	U	220	U	260	U	220	U
Pentachlorophenol	**NA**	**NA**	**490**	**U**	**490**	**U**	**510**	**U**	**420**	**U**	**420**	**U**	**510**	**U**	**430**	**U**
Phenanthrene	560	850	250	U	380		380		30	J	220	U	53	J	220	U
Phenol	**NA**	**NA**	**250**	**U**	**250**	**U**	**260**	**U**	**220**	**U**	**220**	**U**	**260**	**U**	**220**	**U**
Pyrene	490	660	5.2	J	**1200**		**560**		91	J	220	U	250	J	220	U

NOTES:
1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
3 NA - Indicates no benchmark identified for compound
4 **15** - Indicates concentration above Sediment Screening Benchmark
5 190 Indicates concentration meets criteria for observed release (3x background in most cases)
6 U Indicates analyte not detected at or above stated limit
7 J Result is an estimated value
8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
9 Sample X230 was collected from same location as X203 (original sample damaged in shipment).

TABLE 4 - continued
Ilada Waste Company
Sediment Analytical Results
Semi-volatile Organic Compounds (ug/Kg)

Volatile Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg		X214 Sediment ug/Kg		X215 Sediment ug/Kg		X216 Sediment ug/Kg		X217 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	NA	NA	250	U	220	U	250	U	210	U	230	U
1,2,4,5-Tetrachlorobenzene	NA	NA	250	U	220	U	250	U	210	U	230	U
2,2-oxybis (1-chloropropane)	NA	NA	250	U	220	U	250	U	210	U	230	U
2,3,4,6-Tetrachlorophenol	NA	NA	250	U	220	U	250	U	210	U	230	U
2,4,5-Trichlorophenol	NA	NA	250	U	220	U	250	U	210	U	230	U
2,4,6-Trichlorophenol	NA	NA	250	U	220	U	250	U	210	U	230	U
2,4-Dichlorophenol	NA	NA	250	U	220	U	250	U	210	U	230	U
2,4-Dimethylphenol	NA	NA	250	U	220	U	250	U	210	U	230	U
2,4-Dinitrophenol	NA	NA	490	U	430	U	490	U	400	U	440	U
2,4-Dinitrotoluene	NA	NA	250	U	220	U	250	U	210	U	230	U
2,6-Dinitrotoluene	NA	NA	250	U	220	U	250	U	210	U	230	U
2-Chloronaphthalene	NA	NA	250	U	220	U	250	U	210	U	230	U
2-Chlorophenol	NA	NA	250	U	220	U	250	U	210	U	230	U
2-Methylnaphthalene	NA	NA	250	U	220	U	250	U	210	U	230	U
2-Methylphenol (o-cresol)	NA	NA	250	U	220	U	250	U	210	U	230	U
2-Nitroaniline	NA	NA	490	U	430	U	490	U	400	U	440	U
2-Nitrophenol	NA	NA	250	U	220	U	250	U	210	U	230	U
3,3-Dichlorobenzene	NA	NA	250	U	220	U	250	U	210	U	230	U
3-Nitroaniline	NA	NA	490	U	430	U	490	U	400	U	440	U
4,6 Dinitro 2-methylpheno	NA	NA	490	U	430	U	490	U	400	U	440	U
4-Bromophenyl phenyl ether	NA	1300	250	U	220	U	250	U	210	UJ	230	U
4-Chloro-3-methylphenol	NA	NA	250	U	220	U	250	U	210	U	230	U
4-Chloroaniline	NA	NA	250	U	220	U	250	U	210	U	230	U
4-Chlorophenyl phenyl ether	NA	NA	250	U	220	U	250	U	210	UJ	230	U
4-Methylphenol (m/p-cresol)	NA	NA	250	U	220	U	250	U	210	U	230	U
4-Nitroaniline	NA	NA	490	U	430	U	490	U	400	U	440	U
4-Nitrophenol	NA	NA	490	U	430	U	490	U	400	U	440	U
Acenaphthene	NA	820	250	U	220	U	250	U	210	U	230	U
Acenaphthylene	NA	NA	250	U	220	U	250	U	210	U	230	U
Acetophenone	NA	NA	250	U	220	U	250	U	210	U	230	U
Anthracene	220	31.62	250	U	220	U	250	U	210	U	34	J
Atrazine	NA	NA	250	U	220	U	250	U	210	U	230	U
Benzaldehyde	NA	NA	250	U	220	U	250	U	210	U	230	U
Benzo(a)anthracene	320	NA	250	U	220	U	250	U	23	J	220	J
Benzo(a)pyrene	370	0.43	15	J	73	J	15	J	31	J	250	J
Benzo(b)fluoranthene	NA	NA	18	J	24	J	18	J	26	J	320	J
Benzo(g,h,i)perylene	170	290	250	U	220	U	250	U	210	U	130	J
Benzo(k)fluoranthene	NA	NA	14	J	220	U	14	J	12	J	150	J
bis(2-Chloroethoxy)methane	NA	NA	250	U	220	U	250	U	210	U	230	U
bis-(2-Chloroethyl) ether	NA	NA	250	U	220	U	250	U	210	U	230	U
Bis(2-ethylhexyl)phthalate	NA	NA	250	U	220	U	250	U	210	U	230	U
Butyl benzyl phthalate	NA	11000	250	U	220	U	250	U	1.6	J	230	U
Caprolactam	NA	NA	250	U	220	U	250	U	210	U	230	U
Carbazole	NA	NA	250	U	220	U	250	U	210	UJ	23	J
Chrysene	340	500	7	J	83	J	7	J	40	J	270	J
Dibenzo(a,h)anthracene	60	NA	250	U	220	U	250	U	210	U	44	J
Dibenzofuran	NA	NA	250	U	220	U	250	U	210	UJ	230	U
Dibromochloromethane	NA	NA	250	U	220	U	250	U	210	U	230	U
Dimethyl phthalate	NA	NA	250	U	220	U	250	U	210	U	230	U
Di-n-butyl phthalate	NA	11000	250	U	220	U	250	U	210	U	230	U
Di-n-octyl phthalate	NA	NA	250	U	220	U	250	U	210	U	230	U
Fluoranthene	750	2900	5.3	J	220	U	5.3	J	18	J	440	J

TABLE 4 - continued
Ilada Waste Company
Sediment Analytical Results
Semi-volatile Organic Compounds (ug/Kg)

Volatile Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	Background Sediment ug/Kg Result	Flag	X214 Sediment ug/Kg Result	Flag	X215 Sediment ug/Kg Result	Flag	X216 Sediment ug/Kg Result	Flag	X217 Sediment ug/Kg Result	Flag
Fluorene	190	34.64	250	U	220	U	250	U	210	UJ	230	U
Hexachlorobenzene	**NA**	**NA**	**250**	**U**	**220**	**U**	**250**	**U**	**210**	**U**	**230**	**U**
Hexachlorobutadiene	NA	NA	250	U	220	U	250	U	210	U	230	U
Hexachlorocyclopentadiene	**NA**	**NA**	**250**	**U**	**220**	**U**	**250**	**U**	**210**	**U**	**230**	**U**
Hexachloroethane	NA	1000	250	U	220	U	250	U	210	U	230	U
Indeno(1,2,3-cd)pyrene	**200**	**78**	**250**	**U**	**220**	**U**	**250**	**U**	**11**	**J**	**140**	**U**
Isophorone	NA	NA	250	U	220	U	250	U	210	U	230	U
Naphthalene	**NA**	**480**	**250**	**U**	**220**	**U**	**250**	**U**	**210**	**U**	**230**	**U**
Nitrobenzene	NA	NA	250	U	220	U	250	U	210	U	230	U
n-Nitroso-di-n-propylamine	**NA**	**NA**	**250**	**U**	**220**	**U**	**250**	**U**	**210**	**U**	**230**	**U**
n-Nitrosodiphenylamine	NA	NA	250	U	220	U	250	U	210	U	230	U
Pentachlorophenol	**NA**	**NA**	**490**	**U**	**430**	**U**	**490**	**U**	**400**	**U**	**440**	**U**
Phenanthrene	560	850	250	U	220	U	250	U	210	U	160	J
Phenol	**NA**	**NA**	**250**	**U**	**220**	**U**	**250**	**U**	**210**	**U**	**230**	**U**
Pyrene	490	660	5.2	J	220	U	5.2	J	86	J	440	J

NOTES:
1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
3 NA - Indicates no benchmark identified for compound
4 **15** - Indicates concentration above Sediment Screening Benchmark
5 95 Indicates concentration is three times concentration in background sample
6 U Indicates analyte not detected at or above stated limit
7 J Result is an estimated value
8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
9 Sample X230 was collected from same location as X203 (original sample damaged in shipment).

TABLE 5
Ilada Waste Company
Sediment Analytical Results
Pesticide Compounds (ug/Kg)

	Ontario Sediment Benchark for Lowest Effect	United States EPA Ecotox Thresholds or ARCS Effect	E00Q9 Background Sediment ug/Kg		E00M8 X201 Sediment ug/Kg		E00M9 X202 Sediment ug/Kg		E00R5 X230 [10] Sediment ug/Kg		E00N1 X204 Sediment ug/Kg		E00N2 X205 Sediment ug/Kg		E00N3 X206 Sediment ug/Kg		E00N4 X207 Sediment ug/Kg		E00N5 X208 Sedime ug/Kg
Organic Compound	Level [1]	Concentrations [2]	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
4,4'-DDD	NA	NA	4.9	UJ	6.2	UJ	6.5	UJ	4	UJ	6.6	UJ	6.3	UJ	6	UJ	6.9	UJ	5.4
4,4'-DDE	NA	NA [3]	4.9	UJ	6.2	UJ	6.5	UJ	4	UJ	6.6	UJ	6.3	UJ	6	UJ	6.9	UJ	4.9
4,4'-DDT	NA	NA	4.9	UJ	6.2	UJ	0.42	J	1.6	J	5.9	J	6.3	UJ	6	UJ	6.9	UJ	8.3
Aldrin	2	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
alpha-BHC	6	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
alpha-Chlordane	NA	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	0.88	J	3.6	UJ	2.5
beta-BHC	NA	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
delta-BHC	NA	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	0.68	J	3.3	UJ	3.1	UJ	3.6	UJ	2.5
Dieldrin	2	520	4.9	UJ	0.73	J	6.5	UJ	4	UJ	2.2	J	6.3	UJ	6	UJ	6.9	UJ	6.5
Endosulfan I	NA	NA	2.5	UJ	3.2	UJ	3.3	UJ	0.53	J	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
Endosulfan II	NA	NA	4.9	UJ	0.53	J	6.5	UJ	4	UJ	6.6	UJ	6.3	UJ	6	UJ	0.45	J	1.2
Endosulfan sulfate	NA	NA	4.9	R	6.2	UJ	6.5	UJ	4	UJ	6.6	UJ	6.3	UJ	6	UJ	6.9	UJ	4.9
Endrin	3	20	4.9	UJ	6.2	UJ	6.5	UJ	3.1	J	8.8	J	6.3	UJ	6	UJ	6.9	UJ	19
Endrin aldehyde	NA	NA	4.9	UJ	6.2	UJ	6.5	UJ	4	UJ	3.3	J	6.3	UJ	6	UJ	6.9	UJ	9
Endrin ketone	NA	NA	4.9	UJ	0.57	J	6.5	UJ	1.5	J	6.6	UJ	6.3	UJ	6	UJ	6.9	UJ	14
gamma-BHC (Lindane)	3	0.37	2.5	R	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
gamma-Chlordane	NA	NA	2.5	UJ	3.2	UJ	3.3	UJ	0.35	J	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
Heptachlor	NA	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
Heptachlor epoxide	5	NA	2.5	UJ	3.2	UJ	3.3	UJ	2.1	UJ	3.4	UJ	3.3	UJ	0.35	J	3.6	UJ	1.5
Methoxychlor	NA	NA	25	UJ	32	UJ	33	UJ	21	UJ	34	UJ	33	UJ	31	UJ	36	UJ	1.5
Toxaphene	NA	NA	250	UJ	320	UJ	330	UJ	210	UJ	340	UJ	330	UJ	310	UJ	360	UJ	250

NOTES:

1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 **6.5** - Indicates concentration above Sediment Screening Benchmark

5 8.3 Indicates concentration meets criteria for observed release (3x background in most cases)

6 U Indicates analyte not detected at or above stated limit

7 J Result is an estimated value

8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit

9 R Indicates data is rejected and unusable for any purpose

10 Sample X230 was collected at location X203 because original sample damaged during shipment

TABLE 5 - continued
Ilada Waste Company
Sediment Analytical Results
Pesticide Compounds (ug/Kg)

ent		E00N6RE X209 Sediment ug/Kg			Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	E00Q9 Background Sediment ug/Kg		E00P9RE X210 Sediment ug/Kg		E00Q0RE X211 Sediment ug/Kg		E00P8RE X212 Sediment ug/Kg		E00Q7RE X213 Sediment ug/Kg		E00Q8RE X214 Sediment ug/Kg		E00R0RE X216 Sediment ug/Kg		E00R1RE X217 Sediment ug/Kg	
Flag	Result	Flag	Organic Compound			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	
J	5.1	UJ	4,4'-DDD	NA	NA	4.9	UJ	4.2	UJ	4.2	UJ	5.1	UJ	4.3	UJ	4.3	UJ	4	UJ	4.4	UJ	
UJ	5.1	UJ	4,4'-DDE	NA	NA	4.9	UJ	4.2	UJ	4.2	UJ	5.1	UJ	4.3	UJ	4.3	UJ	4	UJ	4.4	UJ	
J	4.9	J	4,4'-DDT	NA	NA	4.9	UJ	1.4	J	4.2	UJ	11	J	4.3	UJ	0.36	J	4	UJ	0.42	J	
UJ	2.6	UJ	Aldrin	2	NA	2.5	UJ	2.2	UJ	2.2	UJ	0.56	J	2.2	UJ	2.2	UJ	0.64	J	2.3	UJ	
UJ	2.6	UJ	alpha-BHC	6	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
UJ	2.6	UJ	alpha-Chlordane	NA	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
UJ	2.6	UJ	beta-BHC	NA	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
UJ	0.27	J	delta-BHC	NA	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
J	1.5	J	Dieldrin	2	520	4.9	UJ	4.2	UJ	1.5	J	3.8	J	4.3	UJ	4.3	UJ	4	UJ	4.4	UJ	
UJ	1.5	J	Endosulfan I	NA	NA	2.5	UJ	2.2	UJ	1.2	J	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
J	2.6	UJ	Endosulfan II	NA	NA	4.9	UJ	2.1	J	4.2	UJ	5.1	UJ	4.3	UJ	4.3	UJ	4	UJ	4.4	UJ	
UJ	5.1	UJ	Endosulfan sulfate	NA	NA	4.9	R	4.2	UJ	4.2	UJ	5.1	UJ	4.3	UJ	4.3	UJ	4	UJ	4.4	UJ	
J	6.4	J	Endrin	3	20	4.9	UJ	36	J	3.7	J	14	J	1.5	J	4.3	UJ	9.6	J	4.4	UJ	
J	3	J	Endrin aldehyde	NA	NA	4.9	UJ	14	J	1.7	J	6.1	J	4.3	UJ	4.3	UJ	3.4	J	4.4	UJ	
J	5.1	UJ	Endrin ketone	NA	NA	4.9	UJ	4.2	UJ	4.2	UJ	5.1	UJ	1	J	0.79	J	4	UJ	4.4	UJ	
UJ	2.6	UJ	gamma-BHC (Lindane)	3	0.37	2.5	R	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
UJ	2.6	UJ	gamma-Chlordane	NA	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
UJ	2.6	UJ	Heptachlor	NA	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ	
J	2.6	UJ	Heptachlor epoxide	5	NA	2.5	UJ	4.3	J	0.92	J	2.5	J	0.3	J	2.2	UJ	4.3	J	2.3	UJ	
J, R	26	UJ	Methoxychlor	NA	NA	25	UJ	2.2	J	0.62	J	0.98	J	22	UJ	22	UJ	21	UJ	23	UJ	
UJ	260	UJ	Toxaphene	NA	NA	250	UJ	220	UJ	220	UJ	260	UJ	220	UJ	220	UJ	210	UJ	230	UJ	

NOTES:

1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 **6.5** - Indicates concentration above Sediment Screening Benchmark

5 8.3 Indicates concentration meets criteria for observed release (3x background in most cases)

6 U *Indicates analyte not detected at or above stated limit*

7 J Result is an estimated value

8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit

9 R Indicates data is rejected and unusable for any purpose

10 Sample X230 was collected at location X203 because original sample damaged during shipment

TABLE 6
Ilada Waste Company
Sediment Analytical Results
PCB Compounds (ug/Kg)

	Ontario Sediment Benchark for Lowest Effect	United States EPA Ecotox Thresholds or ARCS Effect	E00Q9 Background Sediment ug/Kg		E00M8 X201 Sediment ug/Kg		E00M9 X202 Sediment ug/Kg		E00R5 X230 [9] Sediment ug/Kg		E00N1 X204 Sediment ug/Kg		E00N2 X205 Sediment ug/Kg		E00N3 X206 Sediment ug/Kg		E00N4 X207 Sediment ug/Kg		E00N5 X208 Sediment ug/Kg	
Organic Compound	Level [1]	Concentrations [2]	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	NA	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1221	NA	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1232	NA	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1242	NA	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1248	30	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1254	60	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1260	5	NA	49	U	20	J	65	U	67	J	42	J	63	U	60	U	13	J	270	
Aroclor-1262	NA	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U
Aroclor-1268	NA	NA	49	U	62	U	65	U	40	U	66	U	63	U	60	U	69	U	49	U

NOTES:

1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 **20** - Indicates concentration above Sediment Screening Benchmark

5 67 Indicates concentration meets criteria for Observed Release

6 U Indicates analyte not detected at or above stated limit

7 J Result is an estimated value

8 RX Result from sample re-extraction and re-analysis

9 Sample X230 collected from location X203 because original sample was damaged during shipment

TABLE 6 - continued
Ilada Waste Company
Sediment Analytical Results
PCB Compounds (ug/Kg)

Organic Compound	Ontario Sediment Benchark for Lowest Effect Level [1]	United States EPA Ecotox Thresholds or ARCS Effect Concentrations [2]	E00Q9 Background Sediment ug/Kg		E00N6 X209 Sediment ug/Kg		E00P9 X210 Sediment ug/Kg		E00Q0 X211 Sediment ug/Kg		E00P8 X212 Sediment ug/Kg		E00Q7 X213 Sediment ug/Kg		E00Q8 X214 Sediment ug/Kg		E00R0 X216 Sediment ug/Kg		E00R1 X217 Sediment ug/Kg	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	NA	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	23	J	44	U
Aroclor-1221	NA	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	40	U	44	U
Aroclor-1232	NA	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	40	U	44	U
Aroclor-1242	NA	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	40	U	44	U
Aroclor-1248	30	NA	49	U	51	U	42	U	42	U	51	U	43	U	18	J, R	15	J, R	44	U
Aroclor-1254	60	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	40	U	44	U
Aroclor-1260	5	NA	49	U	52		420	RX	44	RX	230	J	9.9	J	50	RX	120	RX	210	J
Aroclor-1262	NA	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	40	U	44	U
Aroclor-1268	NA	NA	49	U	51	U	42	U	42	U	51	U	43	U	43	U	40	U	44	U

NOTES:

1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - Indicates no benchmark identified for compound

4 **20** - Indicates concentration above Sediment Screening Benchmark

5 67 Indicates concentration meets criteria for Observed Release

6 U Indicates analyte not detected at or above stated limit

7 J Result is an estimated value

8 RX Result from sample re-extraction and re-analysis

9 Sample X230 collected from location X203 because original sample was damaged during shipment

TABLE 7
Ilada Waste Company
Soil Analytical Results
TCL Metals in mg/Kg

	Background Soil mg/Kg		X101A Soil mg/Kg		X101 B Soil mg/Kg		X102 Soil mg/Kg		X103 Soil mg/Kg		X104 Soil mg/Kg		X105 Soil mg/Kg		X106 Soil mg/Kg		X107 Soil mg/Kg		X108 Soil mg/Kg		X110 Soil mg/Kg	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	9390		6460		11500		5850		12600		11700		4450		10900		10400		8300		5110	
ANTIMONY	0.41	J	0.23	J	0.5	J	7.8	UJ	0.46	J	0.38	J	13	UJ	0.31	J	2	J	0.49	J	0.37	J
ARSENIC	4.1	J-	3.8		11.9		3.9		6.6	J-	5.9	J-	2.6	J-	5.5		7.9		14	J-	3.7	
BARIUM	120		135		264		138		104		105		39.9		135		240		382		215	
BERYLLIUM	0.58	U	0.55	UJ	0.62		0.65	U	0.71	J+	0.64	J+	0.54	U	0.58	UJ	0.67	UJ	0.58	J+	0.56	UJ
CADMIUM	0.58	U	0.19	J-	0.16	J-	0.65	U	0.53	U	0.53	U	0.21	J	0.32	J-	6.8		0.11	J	0.56	J
CALCIUM	3310	J	2940	J	12500	J	4580	J	3250	J	3960	J	285000	J	2220	J	9290	J	20500	J	75500	J
CHROMIUM	13.5		10.4		20		9.8		18.1		17.8		15.4		22.3		1240		37.7		9.4	
COBALT	7.4		8.9		14.1		8.3		8.3		11.2		2.5	J	14.4		15.3		9.6		5.4	J
COPPER	9.6		12.1		19.7		11.2		16.4		15		9.8		17.3		353		21.3		15.1	
IRON	13600		10700		24000		10500		17700		16700		5530		19700		25500		14900		8350	
LEAD	11.2		14.8	J	18.5	J	11.6	J	12		14.4		29.1		15.1	J	434	J	30.7		548	J
MAGNESIUM	1880		1510	J	2640	J	1500	J	2550		2320		15100		3120	J	2620	J	4240		5530	J
MANGANESE	695	J	393	J	2780	J	471	U	315	J-	268	J-	112	J	675	J-	413	J	491	J	413	J
MERCURY	0.12	U	0.13	U	0.12	U	0.13	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	J-	0.12	U	0.11	U
NICKEL	13.7		14.3		29.8		13.3		18.6		19.3		10.1		34		29.1		19.4		11.4	
POTASSIUM	866	J	783		1180		830		1020	J	930	J	652	J	1480		1650		1280	J	801	
SELENIUM	4	U	3.9	U	4.2	U	4.5	U	3.7	U	3.7	U	7.6	U	0.65	J+	0.95	J+	0.45	J	0.76	J+
SILVER	1.2	U	1.1	U	1.2	U	1.3	U	1.1	U	1.1	U	2.2	U	1.2	U	0.33	J	1.1	U	1.1	U
SODIUM	580	U	550	U	593	U	649	U	531	U	525	U	540	U	577	U	673	U	558	U	561	U
THALLIUM	2.9	U	2.8	U	0.52	J-	3.2	U	2.7	U	2.6	U	5.4	U	2.9	U	3.4	U	2.8	U	2.8	U
VANADIUM	24.6		20.8		34.3		20.7		31.4		32		13		30.4		24.6		26.6		17	
ZINC	37.5		42		58.7		32.5		42.2		39.5		38.7		65.4		362		96.1		82.4	
CYANIDE	0.25	J	3	U	3.1	U	3.2	U	2.9	U	0.23	J	0.23	J	3	U	3.4	U	0.61	J	2.8	U

Notes:
1. **0.62** Indicates concentration meets criteria for observed release (3x background in most cases)
2. J Indicates concentration is estimated
3. J+ Indicates concentration is estimated; value probably less than reported
4. J- Indicates concentration is estimated; value probably greater than reported
5. U Indicates analyte undetected by lab equipment
6. UJ Indicates analyte undetected by lab equipment
7. Background Soil concentration is highest of either X120 or X121

TABLE 7 - continued
Ilada Waste Company
Soil Analytical Results
TCL Metals in mg/Kg

	Background Soil mg/Kg		X111 Soil mg/Kg		X112 Soil mg/Kg		X113 Soil mg/Kg		X116 Soil mg/Kg		X118 Soil mg/Kg		X119 A Soil mg/Kg		X119 B Soil mg/Kg		X121 Soil mg/Kg	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	9390		5430		1400		6400		7190		9870		11900		9030		7140	
ANTIMONY	0.41	J	0.76	J	1.6	U	0.47	J	0.3	J	0.39	J	0.48	J	0.28	J	0.25	J
ARSENIC	4.1	J-	16.3	J-	2		6.4	J-	4.6		4.9		6.8		5.2		4.1	J-
BARIUM	120		1770		21		300		128		142		155		139		120	
BERYLLIUM	0.58	U	0.52	U	0.11	U	0.56	U	0.63	UJ	0.59	UJ	0.57	UJ	0.62	UJ	0.53	U
CADMIUM	0.58	J-	1.2		0.7		0.78		0.63	UJ	0.096	J-	0.57	UJ	0.62	UJ	0.53	U
CALCIUM	3310	J	6670	J	280000		18900	J	2060	J	4090	J	2490	J	2410	J	1960	J
CHROMIUM	13.5		14.7		9.6		16		13.4		16.3		15.1		17.9		10.4	
COBALT	7.4		5.4		1.4		6.3		11.4		11.3		7.6		10.5		6.6	
COPPER	9.6		577		9.6		19.6		11.5		14.7		17.6		13.8		9.6	
IRON	13600		10300		3200		12100		14100		19900		19300		16800		11900	
LEAD	11.2		3120		28		783		11.8	J	10.8	J	220	J	11	J	9.4	
MAGNESIUM	1880		1810		15000		2380		1590	J	2130	J	2200	J	2510	J	1360	
MANGANESE	695	J	218	J	220		373	J	367	J	2310	J	346	J	230	J	951	J
MERCURY	0.12	U	0.11	U			0.63		0.13	U	0.13	U	0.11	U	0.13	U	0.11	U
NICKEL	13.7		29.2		5		15.9		17.5		21.4		15		23.2		13.1	
POTASSIUM	866	J	866	J	460	U	886	J	733		925		882		999		824	J
SELENIUM	4.1	U	0.45	J-	1.1	U	0.47	J	4.4	U	4.2	U	0.62	J+	0.53	J+	3.7	U
SILVER	1.2	U	1	U	0.57	U	1.1	U	1.3	U	1.2	U	1.1	U	1.2	U	1.1	U
SODIUM	580	U	525	U	150		564	U	625	U	593	U	1280		617	U	532	U
THALLIUM	2.9	U	2.6	U	1.3	U	2.8	U	3.1	U	3	U	2.8	U	3.1	U	2.7	U
VANADIUM	24.6		18.8		5.4		36.8		25.9		29.5		32.5		28.5		19.5	
ZINC	37.5		1070		53		207		38.4		43.2		44		49.1		36.1	
CYANIDE	0.25	J	0.52	J	0.57	U	9.4		3.1	U	3.1	U	3	U	3.2	U	0.28	J

Notes:
1 **0.62** Indicates concentration meets criteria for observed release (3x background in most cases)
2 J Indicates concentration is estimated
3 J+ Indicates concentration is estimated; value probably less than reported
4 J- Indicates concentration is estimated; value probably greater than reported
5 U Indicates analyte undetected by lab equipment
6 UJ Indicates analyte undetected by lab equipment
7 Background Soil concentration is highest of either X120 or X121

TABLE 8
Ilada Waste Company
Soil Analytical Results
TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2	
Sampling Location :	Background		X101A		X101B		X102		X103		X104	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	5	UJ	230	U	230	U	9.5	U	4.4	U	4.5	U
1,1,2,2-Tetrachloroethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,1,2-Trichloro-1,2,2-trifluor	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,1,2-Trichloroethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,1-Dichloroethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,1-Dichloroethene	5	U	230	U	36	J, ME	9.5	U	4.4	U	4.5	U
1,2,3-Trichlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	U	4.5	U
1,2,4-Trichlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	U	4.5	U
1,2-Dibromo-3-chloropropan	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,2-Dibromoethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,2-Dichlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	U	4.5	U
1,2-Dichloroethane	5	U	230	U	230	U	54	J, ME	4.4	U	4.5	U
1,2-Dichloropropane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
1,3-Dichlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	U	4.5	U
1,4-Dichlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	U	4.5	U
1,4-Dioxane	100	R	4600	R	4500	R	190	R	89	R	89	R
2-Butanone	10	U	5.8	J	450	U	19	U	8.9	U	8.9	U
2-Hexanone	10	U	460	U	450	U	19	U	8.9	U	8.9	U
4-Methyl-2-pentanone	10	U	460	U	450	U	19	U	8.9	U	8.9	U
Acetone	5.2	J	1000	U	950	U	54	U	6.1	J	14	
Benzene	5	U	230	U	230	U	160	J, ME	0.49	J	4.5	U
Bromochloromethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Bromodichloromethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Bromoform	5	UJ	230	U	230	U	9.5	U	4.4	UJ	4.5	UJ
Bromomethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Carbon disulfide	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Carbon tetrachloride	5	UJ	230	U	230	U	9.5	U	4.4	U	4.5	U
Chlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	U	4.5	U
Chloroethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Chloroform	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Chloromethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
cis-1,2-Dichloroethene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
cis-1,3-Dichloropropene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Cyclohexane	5	U	230	U	230	U	4300	ME	4.4	U	4.5	U
Dibromochloromethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Dichlorodifluoromethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Ethylbenzene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Isopropylbenzene	5	U	230	U	140	J, ME	1500	ME	4.4	U	4.5	U
m,p-Xylene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Methyl acetate	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Methyl tert-butyl ether	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Methylcyclohexane	5	U	230	U	230	U	24000	ME	4.4	U	4.5	U
Methylene chloride	5	U	1.1	J	1.5	J	250	J, ME	1.4	J	1.2	J
o-Xylene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Styrene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Tetrachloroethene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Toluene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
trans-1,2-Dichloroethene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
trans-1,3-Dichloropropene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Trichloroethene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Trichlorofluoromethane	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Vinyl chloride	5	UJ	230	UJ	230	UJ	9.5	U	4.4	UJ	4.5	UJ

Notes:
1. 20.2 Indicates concentration meets criteria for observed release (3x background in most cases)
2. J Indicates concentration is estimated
3. U Indicates analyte undetected by lab equipment
4. UJ Indicates analyte undetected by lab equipment
5. ME Indicates result is from sample analyzed for medium-level contaminants
6. R Indicates data rejected and unusable for any purpose

TABLE 8 - continued
Ilada Waste Company
Soil Analytical Results
TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00Q5		E00P2		E00P4		E00Q6		E00P7	
Sampling Location :	Background		X105		X106		X107		X108		X110	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	4.8	UJ	4.4	U	4100	J	17000	J	6.4	UJ	220	U
1,1,2,2-Tetrachloroethane	4.8	U	4.4	U	240	U	390	U	6.4	U	220	U
1,1,2-Trichloro-1,2,2-trifluor	4.8	UJ	4.4	U	240	U	390	R	6.4	U	220	U
1,1,2-Trichloroethane	4.8	UJ	4.4	U	15	J	760	J	6.4	U	220	U
1,1-Dichloroethane	4.8	U	4.4	U	120		13000	J	6.4	U	220	U
1,1-Dichloroethene	4.8	UJ	4.4	U	230	J	7300	J	6.4	U	220	U
1,2,3-Trichlorobenzene	4.8	U	4.4	U	240	U	390	UJ	6.4	U	220	UJ
1,2,4-Trichlorobenzene	4.8	U	4.4	U	240	U	39	J	6.4	U	220	UJ
1,2-Dibromo-3-chloropropan	4.8	U	4.4	U	240	U	390	UJ	6.4	U	220	U
1,2-Dibromoethane	4.8	UJ	4.4	U	240	U	390	R	6.4	U	220	U
1,2-Dichlorobenzene	4.8	U	4.4	U	240	U	390	UJ	6.4	U	220	UJ
1,2-Dichloroethane	4.8	UJ	4.4	U	240	U	390	R	6.4	U	220	U
1,2-Dichloropropane	4.8	UJ	4.4	U	240	U	390	U	6.4	U	220	U
1,3-Dichlorobenzene	4.8	U	4.4	U	240	U	390	UJ	6.4	U	220	UJ
1,4-Dichlorobenzene	4.8	U	4.4	U	240	U	390	UJ	6.4	U	220	UJ
1,4-Dioxane	96	R	88	R	4800	R	7700	R	130	R	4400	R
2-Butanone	9.6	U	8.8	U	480	U	770	R	13	U	440	U
2-Hexanone	9.6	U	8.8	U	480	U	770	U	13	U	440	U
4-Methyl-2-pentanone	9.6	U	8.8	U	480	U	770	U	13	U	440	U
Acetone	3.2	J	7.8	J	36		240	J	26		28	
Benzene	4.8	U	13		5.7		390	J	6.4	U	3.4	J
Bromochloromethane	4.8	U	4.4	U	240	U	390	R	6.4	U	220	U
Bromodichloromethane	4.8	UJ	4.4	U	240	U	390	U	6.4	U	220	U
Bromoform	4.8	UJ	4.4	UJ	240	U	390	R	6.4	UJ	220	U
Bromomethane	4.8	U	4.4	U	240	U	390	U	6.4	U	220	U
Carbon disulfide	4.8	U	4.4	U	2.8	J	390	U	6.4	U	220	U
Carbon tetrachloride	4.8	UJ	4.4	U	240	U	2300	J	6.4	UJ	220	U
Chlorobenzene	4.8	U	4.4	U	240	U	390	U	6.4	U	220	UJ
Chloroethane	4.8	U	4.4	U	240	U	390	U	6.4	U	220	U
Chloroform	4.8	UJ	4.4	U	240	U	390	R	6.4	U	220	U
Chloromethane	4.8	U	4.4	U	240	U	390	U	6.4	U	220	U
cis-1,2-Dichloroethene	4.8	U	4.4	U	34000	ME	220000	ME	6.4	U	220	U
cis-1,3-Dichloropropene	4.8	UJ	4.4	U	240	U	390	U	6.4	U	220	U
Cyclohexane	4.8	UJ	4.4	U	240	U	790	J	6.4	U	220	U
Dibromochloromethane	4.8	U	4.4	U	240	U	390	R	6.4	U	220	U
Dichlorodifluoromethane	4.8	U	4.4	U	240	U	390	U	6.4	U	220	U
Ethylbenzene	4.8	U	5		51	J	920	J	6.4	U	220	U
Isopropylbenzene	4.8	U	4.4	U	23	J	230	J	6.4	U	1.8	J
m,p-Xylene	4.8	U	8.6		210	J	2700	J	6.4	U	220	U
Methyl acetate	4.8	UJ	4.4	U	240	U	390	R	6.4	U	220	U
Methyl tert-butyl ether	4.8	UJ	4.4	U	240	U	390	R	6.4	U	220	U
Methylcyclohexane	4.8	UJ	4.4	U	110		390	U	6.4	U	37	
Methylene chloride	4.8	UJ	1.3	J	2.2	J	4700	J, ME	1.5	J	1.1	J
o-Xylene	4.8	U	4.4	U	82	J	1300	J	6.4	U	220	U
Styrene	4.8	U	4.4	U	240	UJ	41		6.4	U	220	U
Tetrachloroethene	4.8	U	4.4	U	40	J	15000	J	6.4	U	220	U
Toluene	4.8	U	4.4	U	2800	ME	6800	J	6.4	U	220	U
trans-1,2-Dichloroethene	4.8	U	4.4	U	40	J	11000	J	6.4	U	220	U
trans-1,3-Dichloropropene	4.8	UJ	4.4	U	240	U	390	U	6.4	U	220	U
Trichloroethene	4.8	U	4.4	U	33	J	300000	ME	6.4	U	220	UJ
Trichlorofluoromethane	4.8	UJ	4.4	U	26		1100	J	6.4	U	220	U
Vinyl chloride	4.8	U	4.4	UJ	5.1	J	950	J	6.4	U	220	U

Notes:
1 **20.2** Indicates concentration meets criteria for observed release (3x background in most cases)
2 J Indicates concentration is estimated
3 U Indicates analyte undetected by lab equipment
4 UJ Indicates analyte undetected by lab equipment
5 ME Indicates result is from sample analyzed for medium-level contaminants
6 R Indicates data rejected and unusable for any purpose

TABLE 8 - continued
Ilada Waste Company
Soil Analytical Results
TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00Q1				E00R4		E00N9		E00P0	
Sampling Location :	Background		X111		X112		X113		X116		X117	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	4.8	UJ	5.1	UJ	ND		4.6	UJ	250	U	230	U
1,1,2,2-Tetrachloroethane	4.8	U	5.1	R	ND		4.6	U	250	U	230	U
1,1,2-Trichloro-1,2,2-trifluor	4.8	UJ	5.1	U	NA		4.6	U	250	U	230	U
1,1,2-Trichloroethane	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
1,1-Dichloroethane	4.8	U	4200	ME	ND		4.6	U	250	U	230	U
1,1-Dichloroethene	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
1,2,3-Trichlorobenzene	4.8	U	1500	ME	NA		4.6	UJ	250	U	230	U
1,2,4-Trichlorobenzene	4.8	U	4900	ME	NA		4.6	UJ	250	U	230	U
1,2-Dibromo-3-chloropropan	4.8	U	5.1	R	NA		4.6	U	250	U	230	U
1,2-Dibromoethane	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
1,2-Dichlorobenzene	4.8	U	5.1	UJ	NA		4.6	UJ	250	U	230	U
1,2-Dichloroethane	4.8	UJ	5.1	U	NA		4.6	U	250	U	230	U
1,2-Dichloropropane	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	UJ
1,3-Dichlorobenzene	4.8	U	260	ME	NA		4.6	UJ	250	U	230	U
1,4-Dichlorobenzene	4.8	U	900	ME	NA		4.6	UJ	250	U	230	U
1,4-Dioxane	96	R	100	R	NA		93	R	5000	R	4700	R
2-Butanone	9.6	U	54		10		9.3	U	500	U	8.9	J
2-Hexanone	9.6	U	10	U	3.4		9.3	U	500	U	470	U
4-Methyl-2-pentanone	9.6	U	470	U, ME	11		9.3	U	500	U	470	U
Acetone	8.2	J	130		31		57		19	J	31	
Benzene	4.8	U	1300	J, ME	ND		3.6	J	250	U	230	U
Bromochloromethane	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
Bromodichloromethane	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	UJ
Bromoform	4.8	UJ	5.1	UJ	ND		4.6	UJ	250	U	230	U
Bromomethane	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
Carbon disulfide	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
Carbon tetrachloride	4.8	UJ	5.1	UJ	ND		4.6	UJ	250	U	230	U
Chlorobenzene	4.8	U	5.1	UJ	ND		4.6	UJ	250	U	230	U
Chloroethane	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
Chloroform	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
Chloromethane	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
cis-1,2-Dichloroethene	4.8	U	7300	ME	2.9		4.6	U	250	U	230	U
cis-1,3-Dichloropropene	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
Cyclohexane	4.8	UJ	1200	ME	NA		4.6	UJ	250	U	230	UJ
Dibromochloromethane	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
Dichlorodifluoromethane	4.8	U	5.1	U	NA		4.6	U	250	U	230	U
Ethylbenzene	4.8	U	1600	ME	ND		4.6	UJ	250	U	230	U
Isopropylbenzene	4.8	U	250	ME	ND		1.3	J	250	U	230	U
m,p-Xylene	4.8	U	4500	ME	NA		4.6	UJ	250	U	230	U
Methyl acetate	4.8	UJ	5.1	U	NA		4.6	U	250	U	230	U
Methyl tert-butyl ether	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
Methylcyclohexane	4.8	UJ	2700	ME	NA		20		250	U	230	UJ
Methylene chloride	4.8	UJ	5.1	U	ND		4.6	U	1.5	J	1.4	J
o-Xylene	4.8	U	2800	ME	NA		4.6	UJ	250	U	230	U
Styrene	4.8	U	5.1	UJ	ND		4.6	UJ	250	U	230	U
Tetrachloroethene	4.8	U	390	ME	ND		4.6	UJ	250	U	230	U
Toluene	4.8	U	4800	ME	2.1		4.6	UJ	250	U	230	U
trans-1,2-Dichloroethene	4.8	U	2	J	ND		4.6	U	250	U	230	U
trans-1,3-Dichloropropene	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
Trichloroethene	4.8	U	1400	ME	ND		4.6	UJ	250	U	230	U
Trichlorofluoromethane	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	U
Vinyl chloride	4.8	U	1500	J	ND		4.6	U	250	UJ	230	UJ

Notes:
1 **20.2** Indicates concentration meets criteria for observed release (3x background in most cases)
2 J Indicates concentration is estimated
3 U Indicates analyte undetected by lab equipment
4 UJ Indicates analyte undetected by lab equipment
5 ME Indicates result is from sample analyzed for medium-level contaminants
6 R Indicates data rejected and unusable for any purpose

TABLE 8 - continued
Ilada Waste Company
Soil Analytical Results
TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00P1		E00P5		E00P6		E00R2	
Sampling Location :	Background		X118		X119B		X119A		X121	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	4.8	UJ	250	U	36	J, ME	280	UJ	5	UJ
1,1,2,2-Tetrachloroethane	4.8	U	250	U	260	U	280	U	5	U
1,1,2-Trichloro-1,2,2-trifluor	4.8	UJ	250	U	260	U	280	UJ	5	U
1,1,2-Trichloroethane	4.8	UJ	250	U	260	U	280	U	5	U
1,1-Dichloroethane	4.8	U	250	U	260	U	280	U	5	U
1,1-Dichloroethene	4.8	UJ	250	U	260	U	280	U	5	U
1,2,3-Trichlorobenzene	4.8	U	250	U	260	U	280	UJ	5	UJ
1,2,4-Trichlorobenzene	4.8	U	250	U	260	U	280	UJ	5	UJ
1,2-Dibromo-3-chloropropan	4.8	U	250	U	260	U	280	U	5	U
1,2-Dibromoethane	4.8	UJ	250	U	260	U	280	UJ	5	U
1,2-Dichlorobenzene	4.8	U	250	U	260	U	280	UJ	5	UJ
1,2-Dichloroethane	4.8	UJ	250	U	260	U	280	UJ	5	U
1,2-Dichloropropane	4.8	UJ	250	U	260	U	280	U	5	U
1,3-Dichlorobenzene	4.8	U	250	U	260	U	280	UJ	5	UJ
1,4-Dichlorobenzene	4.8	U	250	U	260	U	280	UJ	5	UJ
1,4-Dioxane	96	R	5000	R	5200	R	5600	R	100	R
2-Butanone	9.6	U	550	J, ME	520	U	560	U	10	U
2-Hexanone	9.6	U	500	U	520	U	560	U	10	U
4-Methyl-2-pentanone	9.6	U	500	U	520	U	560	U	10	U
Acetone	3.2	U	30	J	520	U	560	U	5.2	J
Benzene	4.8	U	65	J	260	U	1.6	J	5	U
Bromochloromethane	4.8	U	250	U	260	U	280	U	5	U
Bromodichloromethane	4.8	UJ	250	U	260	U	280	U	5	U
Bromoform	4.8	UJ	250	U	260	U	280	U	5	UJ
Bromomethane	4.8	U	250	U	260	U	280	U	5	U
Carbon disulfide	4.8	U	250	U	260	U	280	U	5	U
Carbon tetrachloride	4.8	UJ	250	U	260	UJ	280	UJ	5	UJ
Chlorobenzene	4.8	U	250	U	260	U	280	UJ	5	UJ
Chloroethane	4.8	U	250	U	260	U	280	U	5	U
Chloroform	4.8	U	250	U	260	U	280	U	5	U
Chloromethane	4.8	U	250	U	260	U	280	U	5	U
cis-1,2-Dichloroethene	4.8	U	250	U	260	U	280	U	5	U
cis-1,3-Dichloropropene	4.8	UJ	250	U	260	U	280	U	5	U
Cyclohexane	4.8	UJ	4300	ME	260	U	280	U	5	U
Dibromochloromethane	4.8	U	250	U	260	U	280	U	5	U
Dichlorodifluoromethane	4.8	U	250	U	260	U	280	UJ	5	U
Ethylbenzene	4.8	U	250	R	260	U	280	UJ	5	U
Isopropylbenzene	4.8	U	1100	ME	260	U	280	UJ	5	U
m,p-Xylene	4.8	U	250	R	260	U	280	UJ	5	U
Methyl acetate	4.8	UJ	250	U	260	U	280	UJ	5	U
Methyl tert-butyl ether	4.8	UJ	250	U	260	U	280	UJ	5	U
Methylcyclohexane	4.8	UJ	19000	ME	260	U	280	U	5	U
Methylene chloride	4.8	UJ	1.8	J	260	U	1.1	J	5	U
o-Xylene	4.8	U	250	R	260	U	280	UJ	5	U
Styrene	4.8	U	250	R	260	U	280	UJ	5	U
Tetrachloroethene	4.8	U	250	R	260	U	280	UJ	5	U
Toluene	4.8	U	250	R	15	J, ME	280	UJ	5	U
trans-1,2-Dichloroethene	4.8	U	250	U	260	U	280	U	5	U
trans-1,3-Dichloropropene	4.8	UJ	250	U	260	U	280	U	5	U
Trichloroethene	4.8	U	4100	U, ME	260	U	280	UJ	5	U
Trichlorofluoromethane	4.8	UJ	250	U	260	U	280	UJ	5	U
Vinyl chloride	4.8	U	250	UJ	260	U	280	U	5	U

Notes:
1 20.2 Indicates concentration meets criteria for observed release (3x background
2 J Indicates concentration is estimated
3 U Indicates analyte undetected by lab equipment
4 UJ Indicates analyte undetected by lab equipment
5 ME Indicates result is from sample analyzed for medium-level contami
6 R Indicates data rejected and unusable for any purpose

TABLE 9

Ilada Waste Company

Soil Analytical Results

Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5
Sampling Location :	Background		X101A		X101B		X102		X103		X104		X105
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
1,1'-Biphenyl	200	UJ	200	U	200	U	370	U	200	U	200	U	1800
1,2,4,5-Tetrachlorobenzene	200	U	200	U	200	U	370	U	200	U	200	U	1800
2,2'-Oxybis(1-chloropropane)	200	R	200	U	200	U	370	U	3.2	J	200	U	1800
2,3,4,6-Tetrachlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
2,4,5-Trichlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
2,4,6-Trichlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
2,4-Dichlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
2,4-Dimethylphenol	200	U	200	U	200	U	370	U	200	U	200	UJ	1800
2,4-Dinitrophenol	390	U	390	U	390	U	730	U	390	U	390	U	3600
2,4-Dinitrotoluene	200	UJ	200	U	200	U	370	U	200	U	310		1800
2,6-Dinitrotoluene	200	UJ	200	U	200	U	370	U	200	U	200	U	1800
2-Chloronaphthalene	200	U	200	U	200	U	370	U	200	U	200	U	1800
2-Chlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
2-Methylnaphthalene	200	U	200	U	480		2200		2.8	J	200	U	590
2-Methylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
2-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600
2-Nitrophenol	200	UJ	200	U	200	U	370	U	200	U	200	U	1800
3,3'-Dichlorobenzidine	200	U	200	U	200	U	370	U	200	U	200	U	1800
3-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600
4,6-Dinitro-2-methylphenol	390	U	390	U	390	U	730	U	390	U	390	UJ	3600
4-Bromophenyl-phenylether	200	UJ	200	U	200	U	370	U	200	U	200	UJ	1800
4-Chloro-3-methylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
4-Chloroaniline	200	U	200	U	200	U	370	U	200	U	200	U	1800
4-Chlorophenyl-phenylether	200	UJ	200	U	200	U	370	U	200	U	200	UJ	35
4-Methylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800
4-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600
4-Nitrophenol	390	U	390	U	390	U	730	U	390	U	390	U	3600
Acenaphthene	200	U	200	U	850		370	U	200	U	200	U	190
Acenaphthylene	200	U	200	U	200	U	370	U	2.8	J	200	U	1800
Acetophenone	200	UJ	200	U	200	U	370	U	200	U	200	U	1800
Anthracene	200	U	200	U	590		500		6	J	200	U	1800
Atrazine	200	U	200	U	200	U	370	U	200	U	200	U	1800
Benzaldehyde	200	U	200	U	200	U	370	U	200	U	200	U	1800
Benzo(a)anthracene	200	U	200	U	340		300	J	200	U	200	UJ	270
Benzo(a)pyrene	200	U	23	J	310		250	J	37	J	20	J	340
Benzo(b)fluoranthene	200	U	26	J	250		230	J	29	J	19	J	290
Benzo(g,h,i)perylene	200	U	200	U	69	J	74	J	60	J	24	J	170
Benzo(k)fluoranthene	200	U	200	U	88	J	81	J	25	J	17	J	140
Bis(2-Chloroethoxy)methane	200	R	200	U	200	U	370	U	200	U	200	U	1800
Bis(2-Chloroethyl)ether	200	R	200	U	200	U	370	U	200	U	200	U	1800
Bis(2-ethylhexyl)phthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800
Butylbenzylphthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800
Caprolactam	200	UJ	20	J	200	U	370	U	200	U	200	U	1800
Carbazole	200	UJ	200	U	200	U	370	U	1.7	J	200	UJ	1800
Chrysene	200	U	22	J	460		400		200	U	11	J	480
Dibenzo(a,h)anthracene	200	U	200	U	200	U	370	U	200	U	200	UJ	1800
Dibenzofuran	200	UJ	200	U	200		370	U	200	U	200	UJ	1800
Diethylphthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800

TABLE 9
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5	
Sampling Location :	Background		X101A		X101B		X102		X103		X104		X105	
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
1,2,4,5-Tetrachlorobenzene	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2,2'-Oxybis(1-chloropropane)	200	R	200	U	200	U	370	U	3.2	J	200	U	1800	U
2,3,4,6-Tetrachlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2,4,5-Trichlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2,4,6-Trichlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2,4-Dichlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2,4-Dimethylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2,4-Dinitrophenol	390	U	390	U	390	U	730	U	390	U	390	U	3600	U
2,4-Dinitrotoluene	200	UJ	200	U	200	U	370	U	200	U	310		1800	U
2,6-Dinitrotoluene	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
2-Chloronaphthalene	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2-Chlorophenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2-Methylnaphthalene	200	U	200	U	480		2200		2.8	J	200	UJ	590	J
2-Methylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
2-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600	U
2-Nitrophenol	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
3,3'-Dichlorobenzidine	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
3-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600	U
4,6-Dinitro-2-methylphenol	390	U	390	U	390	U	730	U	390	U	390	U	3600	U
4-Bromophenyl-phenylether	200	UJ	200	U	200	U	370	U	200	U	200	UJ	1800	U
4-Chloro-3-methylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
4-Chloroaniline	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
4-Chlorophenyl-phenylether	200	UJ	200	UJ	200	U	370	U	200	U	200	UJ	35	J
4-Methylphenol	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
4-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600	U
4-Nitrophenol	390	U	390	U	390	U	730	U	390	U	390	U	3600	R
Acenaphthene	200	U	200	U	650		370	U	200	U	200	U	190	J
Acenaphthylene	200	U	200	U	200	U	370	U	2.8	J	200	U	1800	U
Acetophenone	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Anthracene	200	U	200	U	590		500		6	J	200	U	1800	U
Atrazine	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
Benzaldehyde	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
Benzo(a)anthracene	200	U	200	U	340		300	J	200	U	200	UJ	270	J
Benzo(a)pyrene	200	U	23	J	310		250	J	37	J	20	J	340	J
Benzo(b)fluoranthene	200	U	26	J	250		230	J	29	J	19	J	290	J
Benzo(g,h,i)perylene	200	U	200	U	69	J	74	J	60	J	24	J	170	J
Benzo(k)fluoranthene	200	U	200	U	88	J	81	J	25	U	17	U	140	J
Bis(2-Chloroethoxy)methane	200	R	200	U	200	U	370	U	200	U	200	U	1800	U
Bis(2-Chloroethyl)ether	200	R	200	U	200	U	370	U	200	U	200	U	1800	U
Bis(2-ethylhexyl)phthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Butylbenzylphthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Caprolactam	200	UJ	20	J	200	U	370	U	200	U	200	U	1800	U
Carbazole	200	UJ	200	U	200	U	370	U	1.7	J	200	UJ	1800	U
Chrysene	200	U	22	J	460		400		200	U	11	J	480	J
Dibenzo(a,h)anthracene	200	U	200	U	200	U	370	U	200	U	200	UJ	1800	U
Dibenzofuran	200	UJ	200	U	200		370	U	200	U	200	UJ	1800	U
Diethylphthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Dimethylphthalate	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Di-n-butylphthalate	200	UJ	200	U	46	J	370	U	200	U	200	U	1800	U
Di-n-octylphthalate	200	UJ	200	UJ	30	J	370	U	200	U	200	U	1800	U
Fluoranthene	200	U	39	J	650		540		8.9	J	200	UJ	130	J

TABLE 9

Ilada Waste Company

Soil Analytical Results

Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5	
Sampling Location :	Background		X101A		X101B		X102		X103		X104		X105	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	200	U	400		370	U	200	U	200	UJ	280	J
Hexachlorobenzene	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
Hexachlorobutadiene	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
Hexachlorocyclopentadiene	200	UJ	200	UJ	200	UJ	370	UJ	200	UJ	200	UJ	1800	UJ
Hexachloroethane	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Indeno(1,2,3-cd)pyrene	200	U	200	U	61	J	49	J	200	U	61	J	1800	U
Isophorone	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Naphthalene	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
Nitrobenzene	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
N-Nitroso-di-n-propylamine	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
N-Nitrosodiphenylamine	200	UJ	200	U	200	U	370	U	200	U	200	U	1800	U
Pentachlorophenol	390	U	390	UJ	390	UJ	730	UJ	390	UJ	390	U	3600	R
Phenanthrene	200	U	200	U	2300		2900		29	J	200	U	620	J
Phenol	200	U	200	U	200	UJ	370	U	200	U	200	U	1800	U
Pyrene	200	U	45	J	900		1100		27	J	8	J	770	J

Notes:

1	480	Indicates concentration meets criteria for observed release (3x background in most cases)
2	J	Indicates concentration is estimated
3	U	Indicates analyte undetected by lab equipment
4	UJ	Indicates analyte undetected by lab equipment
5	ME	Indicates result is from sample analyzed for medium-level contaminants
6	R	Indicates data rejected and unusable for any purpose
7	NA	Indicates analysis not run for compound
8	Background Soil concentration is highest of either X120 or X121	

TABLE 9 - continued
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00P2		E00P4		E00Q6		E00P7		E00Q1			
Sampling Location :	Background		X106		X107		X108		X110		X111		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	200	UJ	2100	U	930	J	210	U	1800	U	3500	J	NA	
1,2,4,5-Tetrachlorobenzene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2,2'-Oxybis(1-chloropropane)	200	R	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2,3,4,6-Tetrachlorophenol	200	U	2100	U	12000		210	U	1800	U	20000	U	ND	
2,4,5-Trichlorophenol	200	U	2100	U	4000		210	U	1800	U	20000	U	ND	
2,4,6-Trichlorophenol	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2,4-Dichlorophenol	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2,4-Dimethylphenol	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2,4-Dinitrophenol	390	U	4000	U	4400	U	420	U	3600	U	39000	U	ND	
2,4-Dinitrotoluene	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2,6-Dinitrotoluene	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2-Chloronaphthalene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2-Chlorophenol	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2-Methylnaphthalene	200	U	1800	J	7000		210	U	1100	J	16000	J	2700	
2-Methylphenol	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
2-Nitroaniline	390	U	4000	U	4400	U	420	U	3600	U	39000	U	ND	
2-Nitrophenol	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
3,3-Dichlorobenzidine	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
3-Nitroaniline	390	U	4000	U	4400	U	420	U	3600	U	39000	U	ND	
4,6-Dinitro-2-methylphenol	390	U	4000	U	4400	U	420	U	3600	U	39000	U	ND	
4-Bromophenyl-phenylether	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
4-Chloro-3-methylphenol	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
4-Chloroaniline	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
4-Chlorophenyl-phenylether	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
4-Methylphenol	200	U	2100	U	990	J	210	U	1800	U	9900	J	ND	
4-Nitroaniline	390	U	4000	U	4400	U	420	U	3600	U	39000	U	ND	
4-Nitrophenol	390	U	4000	U	4400	U	420	U	3600	U	39000	U	ND	
Acenaphthene	200	U	2100	U	2300	U	210	U	1800	U	4200	J	1700	
Acenaphthylene	200	U	2100	U	2300	U	210	U	1800	U	2200	J	ND	
Acetophenone	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Anthracene	200	U	2100	U	2300	U	210	U	1800	U	6800	J	ND	
Atrazine	200	U	2100	U	2300	U	210	U	1800	U	20000	U	NA	
Benzaldehyde	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Benzo(a)anthracene	200	U	2100	U	2300	U	210	U	1800	U	3400	J	ND	
Benzo(a)pyrene	200	U	2100	U	600	J	110	J	250	J	3800	J	ND	
Benzo(b)fluoranthene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Benzo(g,h,i)perylene	200	U	2100	U	2300	U	210	U	1800	U	6400	J	ND	
Benzo(k)fluoranthene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Bis(2-Chloroethoxy)methane	200	R	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Bis(2-Chloroethyl)ether	200	R	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Bis(2-ethylhexyl)phtha ate	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Butylbenzylphthalate	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Caprolactam	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	NA	
Carbazole	200	UJ	280	J	270	J	210	U	330	J	9000	J	ND	
Chrysene	200	U	2100	U	2300	U	130	J	1800	U	5100	J	2500	
Dibenzo(a,h)anthracene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Dibenzofuran	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Diethylphthalate	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Dimethylphthalate	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Di-n-butylphthalate	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Di-n-octylphthalate	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Fluoranthene	200	U	2100	U	2300	U	210	U	650	J	18000	J	ND	

TABLE 9 - continued
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00P2		E00P4		E00Q6		E00P7		E00Q1			
Sampling Location :	Background		X106		X107		X108		X110		X111		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	490	J	1400	J	91	J	440	J	7900	J	ND	
Hexachlorobenzene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Hexachlorobutadiene	200	U	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Hexachlorocyclopentadiene	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Hexachloroethane	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Indeno(1,2,3-cd)pyrene	200	U	2100	U	2300	U	210	U	1800	U	3300	J	ND	
Isophorone	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Naphthalene	200	U	480	J	2300		210	U	250	J	10000	J	ND	
Nitrobenzene	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
N-Nitroso-di-n-propylamine	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
N-Nitrosodiphenylamine	200	UJ	2100	U	2300	U	210	U	1800	U	20000	U	ND	
Pentachlorophenol	390	U	4000	U	4600		420	U	3600	U	39000	U	ND	
Phenanthrene	200	U	1500	J	6200		290		1400	J	25000		2500	
Phenol	200	U	2100	U	320	J	210	U	1800	U	4000	J	ND	
Pyrene	200	U	2100	U	2300	U	230		4500		130000		2100	

Notes:
1 480 Indicates concentration meets criteria for observed release (3x background in most cases)
2 J Indicates concentration is estimated
3 U Indicates analyte undetected by lab equipment
4 UJ Indicates analyte undetected by lab equipment
5 ME Indicates result is from sample analyzed for medium-level contaminants
6 R Indicates data rejected and unusable for any purpose
7 NA Indicates analysis not run for compound
8 Background Soil concentration is highest of either X120 or X121

TABLE 9 - continued
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00R4		E00N9		E00P0		E00P1		E00P5	
Sampling Location :	Background		X113		X116		X117		X118		X119B	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
1,2,4,5-Tetrachlorobenzene	200	U	20000	U	210	U	210	U	2100	U	220	U
2,2'-Oxybis(1-chloropropane)	200	R	20000	U	210	U	210	U	2100	U	220	U
2,3,4,6-Tetrachlorophenol	200	U	20000	U	800	J, ME	210	U	2100	U	220	U
2,4,5-Trichlorophenol	200	U	20000	U	210	U	210	U	2100	U	220	U
2,4,6-Trichlorophenol	200	U	20000	U	210	U	210	U	2100	U	220	U
2,4-Dichlorophenol	200	U	20000	U	880	J, ME	210	U	2100	U	220	U
2,4-Dimethylphenol	200	U	20000	U	210	U	210	U	2100	U	220	U
2,4-Dinitrophenol	390	U	38000	U	410	U	410	U	4100	U	420	U
2,4-Dinitrotoluene	200	UJ	20000	U	210	U	210	U	2100	U	220	U
2,6-Dinitrotoluene	200	UJ	20000	U	210	U	210	U	2100	U	220	U
2-Chloronaphthalene	200	U	20000	U	210	U	210	U	2100	U	220	U
2-Chlorophenol	200	U	20000	U	210	U	210	U	2100	U	220	U
2-Methylnaphthalene	200	U	20000	U	49	J	210	U	2800		220	U
2-Methylphenol	200	U	20000	U	210	U	210	U	2100	U	220	U
2-Nitroaniline	390	U	38000	U	410	U	410	U	4100	U	420	U
2-Nitrophenol	200	UJ	20000	U	210	U	210	U	2100	U	220	U
3,3'-Dichlorobenzidine	200	U	20000	U	210	U	210	U	2100	U	220	U
3-Nitroaniline	390	U	38000	U	410	U	410	U	4100	U	420	U
4,6-Dinitro-2-methylphenol	390	U	38000	U	410	U	410	U	4100	U	420	U
4-Bromophenyl-phenylether	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
4-Chloro-3-methylphenol	200	U	20000	U	210	U	210	U	2100	U	220	U
4-Chloroaniline	200	U	20000	U	210	U	210	U	2100	U	220	U
4-Chlorophenyl-phenylether	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
4-Methylphenol	200	U	20000	U	210	U	210	U	2100	U	220	U
4-Nitroaniline	390	U	38000	U	410	U	410	U	4100	U	420	U
4-Nitrophenol	390	U	38000	U	410	U	410	U	4100	U	420	U
Acenaphthene	200	U	20000	U	210	U	210	U	2100	U	220	U
Acenaphthylene	200	U	20000	U	4300	J, ME	210	U	2100	U	220	U
Acetophenone	200	UJ	20000	U	210	U	210	U	2100	U	220	U
Anthracene	200	U	20000	U	85	J	210	U	2100	U	220	U
Atrazine	200	U	20000	U	210	U	210	U	2100	U	220	U
Benzaldehyde	200	U	20000	U	210	U	210	U	2100	U	220	U
Benzo(a)anthracene	200	U	4100	J	4600	J, ME	210	U	2100	U	220	U
Benzo(a)pyrene	200	U	7700	J	11000	ME	29	J	2100	U	32	J
Benzo(b)fluoranthene	200	U	17000		10000	ME	210	U	2100	U	50	J
Benzo(g,h,i)perylene	200	U	6800	J	5500	J, ME	34	J	2100	U	24	J
Benzo(k)fluoranthene	200	U	5200	J	3000	J, ME	210	U	2100	U	220	U
Bis(2-Chloroethoxy)methane	200	R	20000	U	210	U	210	U	2100	U	220	U
Bis(2-Chloroethyl)ether	200	R	20000	U	210	U	210	U	2100	U	220	U
Bis(2-ethylhexyl)phthalate	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
Butylbenzylphthalate	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
Caprolactam	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
Carbazole	200	UJ	20000	U	780	J, ME	210	UJ	240	J	220	U
Chrysene	200	U	13000	J	7900	ME	210	U	2100	U	35	J
Dibenzo(a,h)anthracene	200	U	20000	U	210	U	210	U	2100	U	220	U
Dibenzofuran	200	UJ	20000	U	57	J	210	UJ	2100	U	220	U
Diethylphthalate	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
Dimethylphthalate	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
Di-n-butylphthalate	200	UJ	20000	U	1400	J, ME	210	UJ	2100	U	220	U
Di-n-octylphthalate	200	UJ	20000	UJ	210	UJ	210	UJ	2100	U	220	UJ
Fluoranthene	200	U	9600	J	4200	J, ME	210	U	2100	U	32	J

TABLE 9 - continued
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00R4		E00N9		E00P0		E00P1		E00P5	
Sampling Location :	Background		X113		X116		X117		X118		X119B	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	20000	U	210	U	210	UJ	2100	U	220	U
Hexachlorobenzene	200	U	20000	U	210	U	210	U	2100	U	220	U
Hexachlorobutadiene	200	U	20000	U	210	U	210	U	2100	U	220	U
Hexachlorocyclopentadiene	200	UJ	20000	UJ	210	UJ	210	U	2100	U	220	UJ
Hexachloroethane	200	UJ	20000	U	210	U	210	U	2100	U	220	U
Indeno(1,2,3-cd)pyrene	200	U	5800	J	4400	J,ME	210	U	2100	U	220	U
Isophorone	200	UJ	20000	U	210	U	210	U	2100	U	220	U
Naphthalene	200	U	20000	U	210	U	210	U	2100	U	220	U
Nitrobenzene	200	UJ	20000	U	210	U	210	U	2100	U	220	U
N-Nitroso-di-n-propylamine	200	UJ	20000	U	210	UJ	210	U	2100	U	220	U
N-Nitrosodiphenylamine	200	UJ	20000	U	210	U	210	U	2100	U	220	U
Pentachlorophenol	390	U	38000	U	410	UJ	410	U	4100	U	420	U
Phenanthrene	200	U	5100	J	250		210	U	1500	J	22	J
Phenol	200	U	20000	U	210	U	210	U	2100	U	220	U
Pyrene	200	U	31000		15000	ME	33	J	2100	U	120	J

Notes:
1. 480 — Indicates concentration meets criteria for observed release (3x background in most cases)
2. J — Indicates concentration is estimated
3. U — Indicates analyte undetected by lab equipment
4. UJ — Indicates analyte undetected by lab equipment
5. ME — Indicates result is from sample analyzed for medium-level contaminants
6. R — Indicates data rejected and unusable for any purpose
7. NA — Indicates analysis not run for compound
8. Background Soil concentration is highest of either X120 or X121

TABLE 9 - continued
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00P6		E00R2	
Sampling Location :	Background		X119A		X121	
Matrix :	Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	200	UJ	200	U	200	U
1,2,4,5-Tetrachlorobenzene	200	U	200	U	200	U
2,2'-Oxybis(1-chloropropane)	200	R	200	U	200	U
2,3,4,6-Tetrachlorophenol	200	U	200	U	200	U
2,4,5-Trichlorophenol	200	U	200	U	200	U
2,4,6-Trichlorophenol	200	U	200	U	200	U
2,4-Dichlorophenol	200	U	200	U	200	U
2,4-Dimethylphenol	200	U	200	U	200	U
2,4-Dinitrophenol	390	U	400	U	380	U
2,4-Dinitrotoluene	200	UJ	200	U	200	U
2,6-Dinitrotoluene	200	UJ	200	U	200	U
2-Chloronaphthalene	200	U	200	U	200	U
2-Chlorophenol	200	U	200	U	200	U
2-Methylnaphthalene	200	U	200	U	200	U
2-Methylphenol	200	U	200	U	200	U
2-Nitroaniline	390	U	400	U	380	U
2-Nitrophenol	200	UJ	200	U	200	U
3,3'-Dichlorobenzidine	200	U	200	U	200	U
3-Nitroaniline	390	U	400	U	380	U
4,6-Dinitro-2-methylphenol	390	U	400	U	380	U
4-Bromophenyl-phenylether	200	UJ	200	U	200	U
4-Chloro-3-methylphenol	200	U	200	U	200	U
4-Chloroaniline	200	U	200	U	200	U
4-Chlorophenyl-phenylether	200	UJ	200	U	200	U
4-Methylphenol	200	U	200	U	200	U
4-Nitroaniline	390	U	400	U	380	U
4-Nitrophenol	390	U	400	U	380	U
Acenaphthene	200	U	200	U	200	U
Acenaphthylene	200	U	200	U	200	U
Acetophenone	200	UJ	200	U	200	U
Anthracene	200	U	200	U	200	U
Atrazine	200	U	200	U	200	U
Benzaldehyde	200	U	200	U	200	U
Benzo(a)anthracene	200	U	29	J	200	U
Benzo(a)pyrene	200	U	61	J	200	U
Benzo(b)fluoranthene	200	U	62	J	200	U
Benzo(g,h,i)perylene	200	U	46	J	200	U
Benzo(k)fluoranthene	200	U	22	J	200	U
Bis(2-Chloroethoxy)methane	200	R	200	U	200	U
Bis(2-Chloroethyl)ether	200	R	200	U	200	U
Bis(2-ethylhexyl)phthalate	200	UJ	200	U	200	U
Butylbenzylphthalate	200	UJ	200	U	200	U
Caprolactam	200	UJ	200	U	200	U
Carbazole	200	UJ	200	U	200	U
Chrysene	200	U	29	J	200	U
Dibenzo(a,h)anthracene	200	U	200	U	200	U
Dibenzofuran	200	UJ	200	U	200	U
Diethylphthalate	200	UJ	200	U	200	U
Dimethylphthalate	200	UJ	200	U	200	U
Di-n-butylphthalate	200	UJ	200	U	200	U
Di-n-octylphthalate	200	UJ	200	U	200	UJ
Fluoranthene	200	U	26	J	200	U

TABLE 9 - continued
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00P6		E00R2	
Sampling Location :	Background		X119A		X121	
Matrix :	Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	200	U	200	U
Hexachlorobenzene	200	U	200	U	200	U
Hexachlorobutadiene	200	U	200	U	200	U
Hexachlorocyclopentadiene	200	UJ	200	U	200	UJ
Hexachloroethane	200	UJ	200	U	200	U
Indeno(1,2,3-cd)pyrene	200	U	57	J	200	U
Isophorone	200	UJ	200	U	200	U
Naphthalene	200	U	200	U	200	U
Nitrobenzene	200	UJ	200	U	200	U
N-Nitroso-di-n-propylamine	200	UJ	200	U	200	U
N-Nitrosodiphenylamine	200	UJ	200	U	200	U
Pentachlorophenol	390	U	400	U	380	U
Phenanthrene	200	U	200	U	200	U
Phenol	200	U	200	U	200	U
Pyrene	200	U	68	J	200	U

Notes:

1	480	Indicates concentration meets criteria for observed release (3x background in most cases)
2	J	Indicates concentration is estimated
3	U	Indicates analyte undetected by lab equipment
4	UJ	Indicates analyte undetected by lab equipment
5	ME	Indicates result is from sample analyzed for medium-level contaminants
6	R	Indicates data rejected and unusable for any purpose
7	NA	Indicates analysis not run for compound

8 Background Soil concentration is highest of either X120 or X121

Table 10
Ilada Waste Company
Soil Analytical Results
Pesticide Compounds in ug/Kg

Sample Number :	E00R3		E00N7RX		E00N8		E00M7		E00Q3RE		E00Q2RE		E00Q5		E00P2		E00P4		E00Q6RE		E00P7	
Sampling Location	Background		X101A		X101B		X102		X103		X104		X105		X106		X107		X108		X110	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
4,4'-DDD	3.9	UJ	3.9	UJ	3.9	UJ, R	7.3	UJ	39	UJ	39	UJ	36	UJ	40	UJ, R	590	J	4.2	UJ	3.6	R
4,4'-DDE	3.9	UJ	3.9	UJ	1.3	J	7.3	UJ	39	UJ	39	UJ	36	UJ	43	J	66	J	4.2	UJ	3.6	R
4,4'-DDT	0.54	J	3.9	UJ	10	J	7.3	UJ	39	UJ	26	J	28	J	300	J	71	J	4.2	UJ	3.6	R
Aldrin	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	32	J	110	J	2.1	UJ	1.8	R
alpha-BHC	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	21	UJ, R	17	J	2.1	UJ	1.8	R
alpha-Chlordane	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	2.7	J	69	J	2.1	UJ	1.8	R
beta-BHC	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	4.6	J	36	J	2.1	UJ	1.8	R
delta-BHC	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	11	J	180	J	2.1	UJ	1.8	R
Dieldrin	3.9	UJ	3.9	UJ	3.5	J	7.3	UJ	39	UJ	39	UJ	7.4	J	40	UJ, R	420	J	9.1	J	3.6	R
Endosulfan I	2	UJ	2	UJ	0.84	J	3.7	UJ	20	UJ	20	UJ	18	UJ	18	J	23	UJ, RX	3.8	J	1.8	R
Endosulfan II	3.9	UJ	3.9	UJ	3.9	UJ, R	7.3	UJ	39	UJ	39	UJ	36	UJ	6.4	J	520	J	1.4	J	3.6	R
Endosulfan sulfate	3.9	UJ, R	3.9	UJ	2.1	J	7.3	UJ	39	UJ	39	UJ	36	R	7.9	J	120	J	1.4	J	3.6	R
Endrin	3.9	UJ	2	J	7.3	J	2.1	J	15	J	36	J	36	J	110	J	600	J	15	J	1.2	J
Endrin aldehyde	3.9	UJ	3.9	UJ	5.7	J	7.3	UJ	39	UJ	12	J	16	J	290	J	540	J	11	J	3.6	R
Endrin ketone	3.9	UJ	3.9	UJ	3.9	UJ, R	7.3	UJ	8.8	J	39	UJ	36	UJ	40	UJ, R	180	J	0.99	J	1.2	J
gamma-BHC (Lindane)	2	UJ, R	2	UJ	2	UJ, R	1.1	J	20	UJ	20	UJ	18	R	2	J	36	J	0.58	J	1.8	R
gamma-Chlordane	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	19	J	780	J	0.98	J	1.8	R
Heptachlor	2	UJ	0.46	J	2	UJ, R	3.7	UJ	20	UJ	20	UJ	18	UJ	9.4	J	28	J	0.65	J	1.8	R
Heptachlor epoxide	2	UJ	2	UJ	0.77	J	3.7	UJ	20	UJ	10	J	18	UJ	26	J	4	J	4.1	J	0.43	J
Methoxychlor	0.91	J	20	UJ	20	UJ, R	37	UJ	200	UJ	200	UJ	180	UJ	210	UJ, R	550	J	21	UJ	18	R
Toxaphene	200	UJ	200	UJ	200	UJ, R	370	UJ	2000	UJ	2000	UJ	1800	UJ	2100	UJ, R	2300	UJ, RX	210	UJ	180	R

Notes:
1 10 Indicates concentration meets criteria for observed release (3x background in most cases)
2 J Indicates concentration is estimated
3 U Indicates analyte undetected by lab equipment
4 UJ Indicates analyte undetected by lab equipment
5 RX Indicates result is from sample re-extracted and analyzed
6 R Indicates data rejected and unusable for any purpose
7 NA Indicates analysis not run for compound
8 Background Soil concentration is highest of either X120 or X121

Table 10 - continued
Ilada Waste Company
Soil Analytical Results
Pesticide Compounds in ug/Kg

Sample Number :	E00R3		E00Q1		X112		E00R4RE		E00N9		E00P0		E00P1RX		E00P6RE		E00P5		E00R2	
Sampling Location :	Background		X111				X113		X116		X117		X118		X119A		X119B		X121	
Matrix :	Soil		Soil				Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg				ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
4,4'-DDD	3.9	UJ	62	J	ND		28	J	2.1	J	4.1	UJ, R	4.1	UJ	2	R	2.2	J, RX	3.8	UJ
4,4'-DDE	3.9	UJ	76	J	ND		130	J	7.4	J	1.5	J	4.1	UJ	2	R	12	J	3.8	UJ
4,4'-DDT	0.54	J	2000	J	ND		3600	J	41	J, RX	44	J, RX	4.1	UJ	2	R	5.6	J	3.8	UJ
Aldrin	2	UJ	34	J, RE	ND		20	UJ	2.1	R	2.1	R	2.1	UJ	0.76	J	4.6	J, RX	2	UJ
alpha-BHC	2	UJ	19.7	UJ	ND		20	UJ	2.1	UJ, R	2.1	R	2.1	UJ	2	R	2.2	UJ, R	2	UJ
alpha-Chlordane	2	UJ	23	J	ND		110	J	12	J	2.1	UJ, R	2.1	UJ	2	R	4	J	2	UJ
beta-BHC	2	UJ	29	J, RE	ND		12	J	0.6	J	2.1	R	2.1	UJ	1	J	1.5	J, RX	2	UJ
delta-BHC	2	UJ	19.7	UJ	ND		20	UJ	0.58	J	2.1	R	2.1	UJ	2	R	2.2	UJ, R	2	UJ
Dieldrin	3.9	UJ	17	J	ND		43	J	15	J	18	J, RX	4.1	UJ	4	R	7.1	J, RX	3.8	UJ
Endosulfan I	2	UJ	50	J	ND		20	J	2.8	J, RE	1.8	J, RE	2.1	UJ	1.2	J	3.2	J	2	UJ
Endosulfan II	3.9	UJ	170	J, RE	ND		230	J	2.7	J	1.9	J, RX	4.1	UJ	19	J	2.1	J	3.8	UJ
Endosulfan sulfate	3.9	UJ, R	22	J, RE	ND		9.4	J	4.1	R	4.1	UJ, R	4.1	UJ	1.3	J	1.3	J, RX	3.8	R
Endrin	3.9	UJ	5300	J	ND		4700	J	59	J, RX	54	J, RX	0.23	J, RE	4	J	25	J	1.3	J
Endrin aldehyde	3.9	UJ	2000	J	ND		1800	J	27	J, RX	27	J, RX	4.1	UJ	4	R	18	J	3.8	UJ
Endrin ketone	3.9	UJ	39	UJ	ND		37.9	UJ	16	J	6.3	J, RX	4.1	UJ	7.6	J	2.2	UJ, R	3.8	UJ
gamma-BHC (Lindane)	2	UJ, R	6.3	J	ND		815	J	2.1	R	2.1	R	2.1	UJ	20	R	1.1	J, RX	2	R
gamma-Chlordane	2	UJ	19.7	UJ	ND		8.7	J	1.3	J	0.26	J, RE	2.1	UJ	4	R	1.2	J, RX	2	UJ
Heptachlor	2	UJ	39	J	ND		20	UJ	2.1	UJ	2.1	R	2.1	UJ	7.4	J	0.8	J	2	UJ
Heptachlor epoxide	2	UJ	720	J, RE	ND		810	J	1.8	J	0.74	J, RX	2.1	UJ	0.65	J	1.8	J	2	UJ
Methoxychlor	0.91	J	260	J	ND		190	J	3	J	21	UJ, R	21	UJ	11	J	22	UJ, R	20	UJ
Toxaphene	200	UJ	2000	UJ	ND		2000	UJ	210	UJ, R	210	UJ, R	210	UJ	200	R	220	UJ, R	200	UJ

Notes:

1	10	Indicates concentration meets criteria for observed release (3x background in most cases)
2	J	Indicates concentration is estimated
3	U	Indicates analyte undetected by lab equipment
4	UJ	Indicates analyte undetected by lab equipment
5	RX	Indicates result is from sample re-extracted and analyzed
6	R	Indicates data rejected and unusable for any purpose
7	NA	Indicates analysis not run for compound

8 Background Soil concentration is highest of either X120 or X121

Table 11
Ilada Waste Company
Soil Analytical Results
Polychlorinated Biphenyl Compounds in ug/Kg

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5		E00P2		E00P4		E00Q6	
Sampling Location :	Background		X101A		X101B		X102		X103		X104		X105		X106		X107		X108	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U
Aroclor-1221	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U
Aroclor-1232	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U
Aroclor-1242	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U
Aroclor-1248	39	U	39	U	39	U	73	U	55	RX	320		510	RX	40	U	220	U	42	U
Aroclor-1254	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U
Aroclor-1260	46		10	J	120		73	U	39	RX	250	J	1900	RXDL	10000	DL	45000	DL	130	RX
Aroclor-1262	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U
Aroclor-1268	39	U	39	U	39	U	73	U	39	U	39	U	36	U	40	U	220	U	42	U

Notes:
1 **120** Indicates concentration meets criteria for observed release (3x background in most cases)
2 J Indicates concentration is estimated
3 U Indicates analyte undetected by lab equipment
4 RX Indicates result is from sample re-extracted and analyzed
5 R Indicates data rejected and unusable for any purpose
6 DL Diluted
7 J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.

8 Background Soil concentration is highest of either X120 or X121

Table 11 - continued
Ilada Waste Company
Soil Analytical Results
Polychlorinated Biphenyl Compounds in ug/Kg

Sample Number :	E00R3		E00P7						E00R4RXDL		E00N9		E00P0		E00P1		E00P5		E00P6		E00R2RX	
Sampling Location :	X120		X110		X111		X112		X113		X116		X117		X118		X119B		X119A		X121	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
ANALYTE	Result	Flag	Result	Flag			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	39	U	110		2.6	U	16	U	5700	U	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1221	39	U	36	U	3.2	U	20	U	5700	U	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1232	39	U	36	U	2.3	U	14	U	5700	U	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1242	39	U	36	U	2.2	U	14	U	5700	U	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1248	39	U	36	U	3.1	U	19	U	12000	J	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1254	39	U	36	U	2.6	U	16	U	5700	U	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1260	39	U	350		3200	J3	9.5	U	75000		690	DL	130		41	U	42	U	500		46	
Aroclor-1262	39	U	36	U	1200	U	NA		5700	U	41	U	41	U	41	U	42	U	40	U	38	U
Aroclor-1268	39	U	36	U	1200	U	NA		5700	U	41	U	41	U	41	U	42	U	40	U	38	U

Notes:
1. **120** Indicates concentration meets criteria for observed release (3x background in most cases)
2. J Indicates concentration is estimated
3. U Indicates analyte undetected by lab equipment
4. RX Indicates result is from sample re-extracted and analyzed
5. R Indicates data rejected and unusable for any purpose
6. DL Diluted
7. J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
8. Background Soil concentration is highest of either X120 or X121

Appendix A
Target Compound List

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chlorde	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroehtene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene
2-Methylnaphthalene	Di-n-Butylphthalate

1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Ideno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

Appendix B
Geoprobe Boring Logs

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

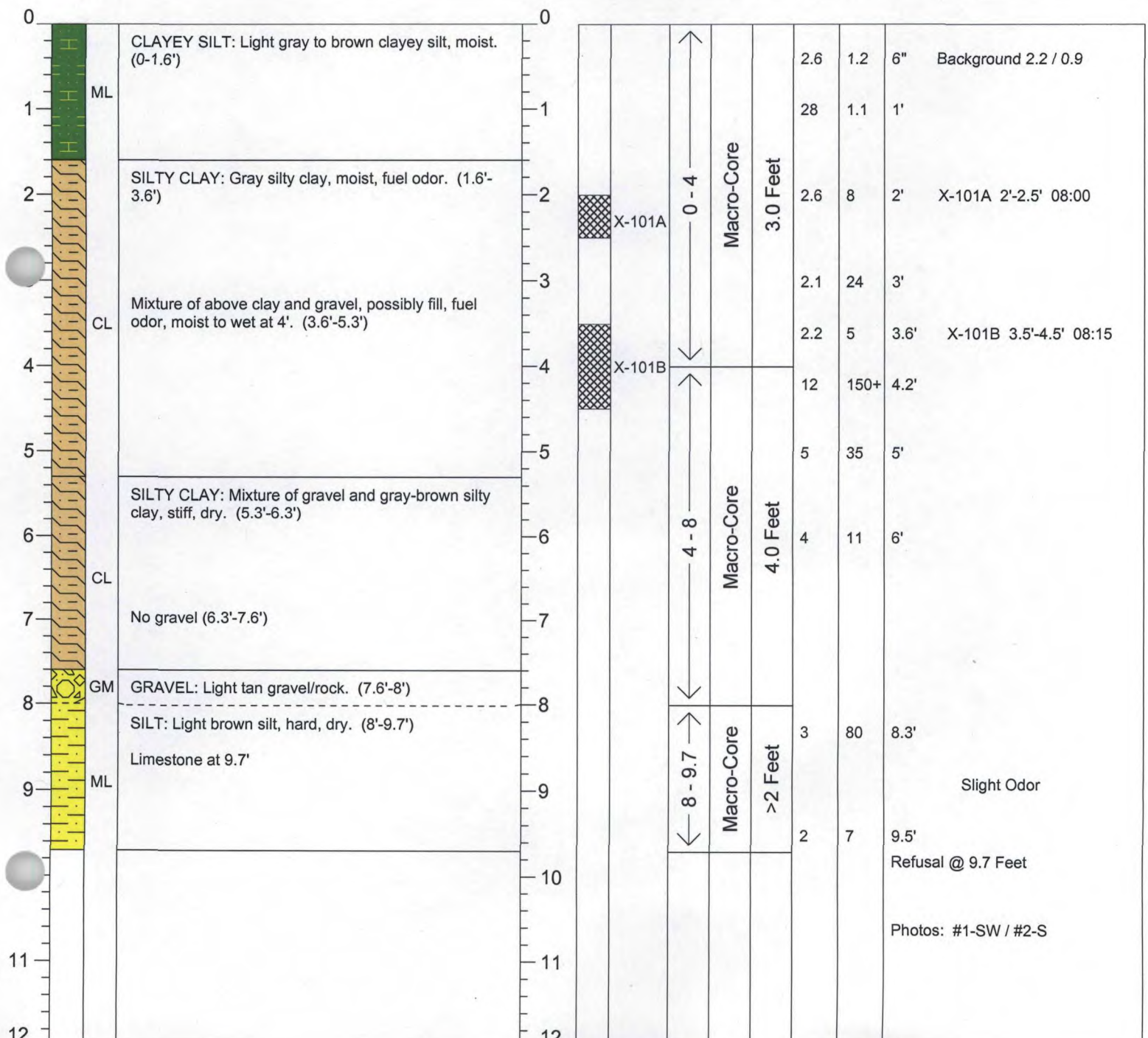
Site File Name: Ilada Waste Company **Boring / Well No.:** X-101

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/01/06 **Finish** 08/01/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: Just north of Imbs Station Road, west of gravel set up area. **Completion Depth:** 9.7 Feet (Refusal)

Logged By: James M. Salch



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

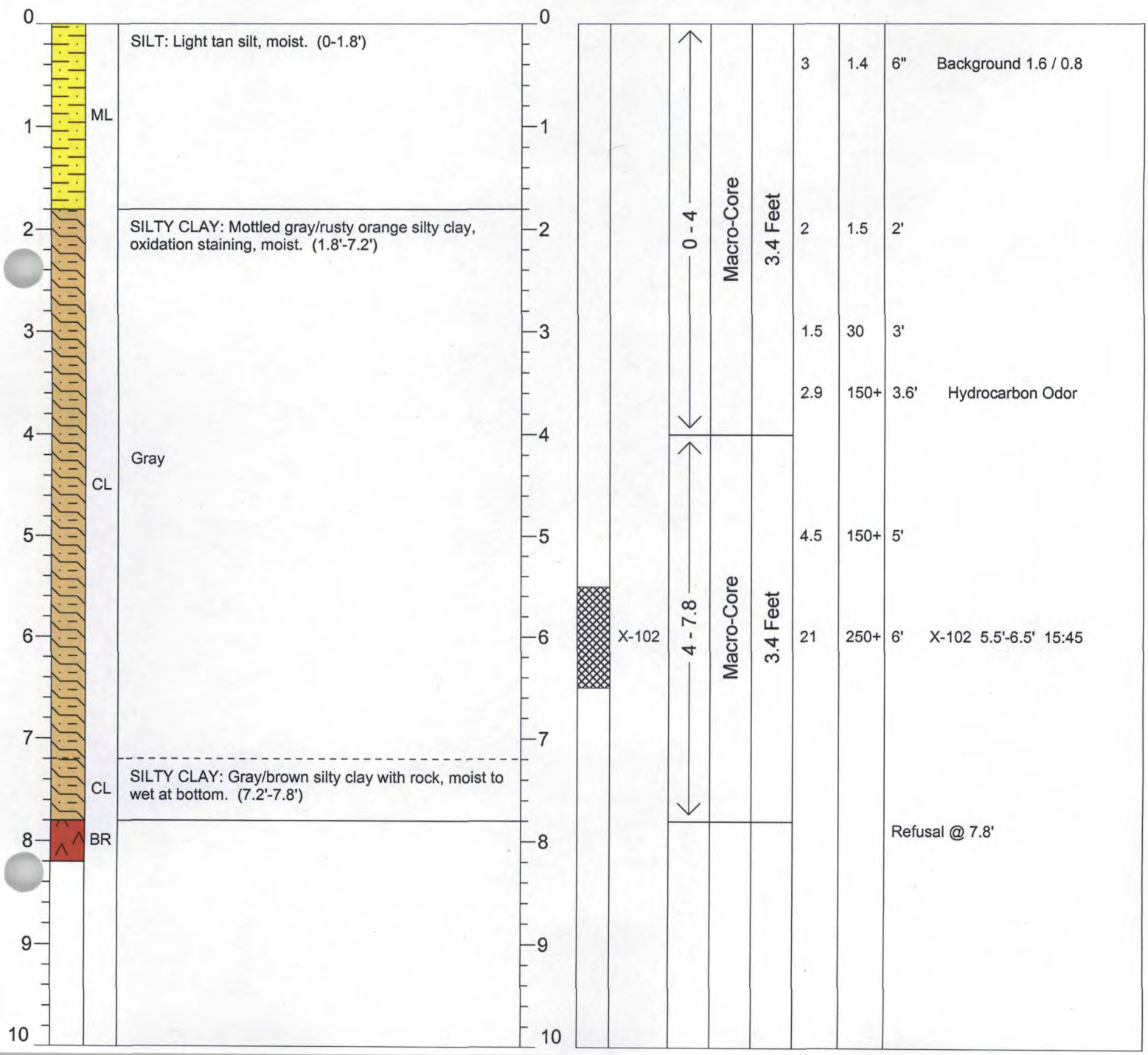
Site File Name: Ilada Waste Company **Boring / Well No.:** X-102

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 07/31/06 **Finish** 07/31/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: Just north of Imbs Station Road, west of gravel set up area. **Completion Depth:** 7.8 Feet (Refusal)

Logged By: James M. Salch



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

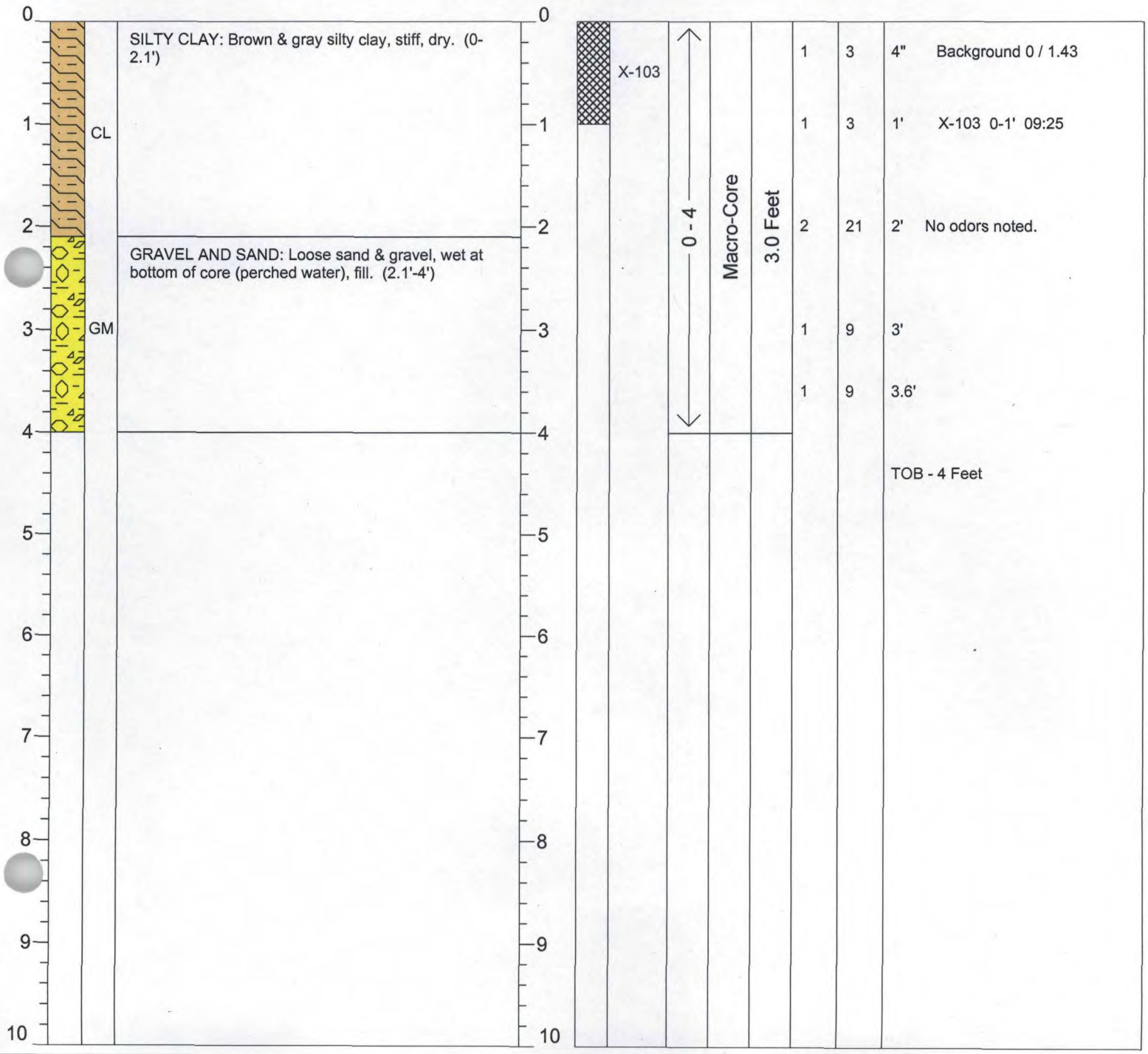
Site File Name: Ilada Waste Company **Boring / Well No.:** X-103

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/02/06 **Finish** 08/02/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: North of Imbs Station Rd., near old shed. Western most location. **Completion Depth:** 4.0 Feet

Logged By: James M. Salch



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

Site File Name: Ilada Waste Company **Boring / Well No.:** X-105

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/02/06 **Finish** 08/02/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: North of Imbs Station Rd., in drive near old shed. **Completion Depth:** 4.0 Feet

Eastern most location. **Logged By:** James M. Salch

Depth (ft)	Lithology	USCS	Description
0			
1		AS	ASPHALT: Gravel & Asphalt Surface with asphalt like material beneath, sticky, strange odor. (0-1.1')
1		CL	SILTY CLAY: Gray-brown silty clay, hard, dry. (1.1'-1.6')
2		ML	CLAYEY SILT: Dark gray clayey sily, soft, moist, mild strange odor. (1.6'-4')
3			
4			
5			
6			
7			
8			
9			
10			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0								
1		X-105	0 - 4	Macro-Core	4.0 Feet	1	70	6" Background 0.22 / 1.6
1						1	42	1' X-105 0-1' 10:00
2						1	16	2' Strange odor to asphalt material.
3						1	47	3'
4						4	80	3.6'
								TOB - 4 Feet
5								
6								
7								
8								
9								
10								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

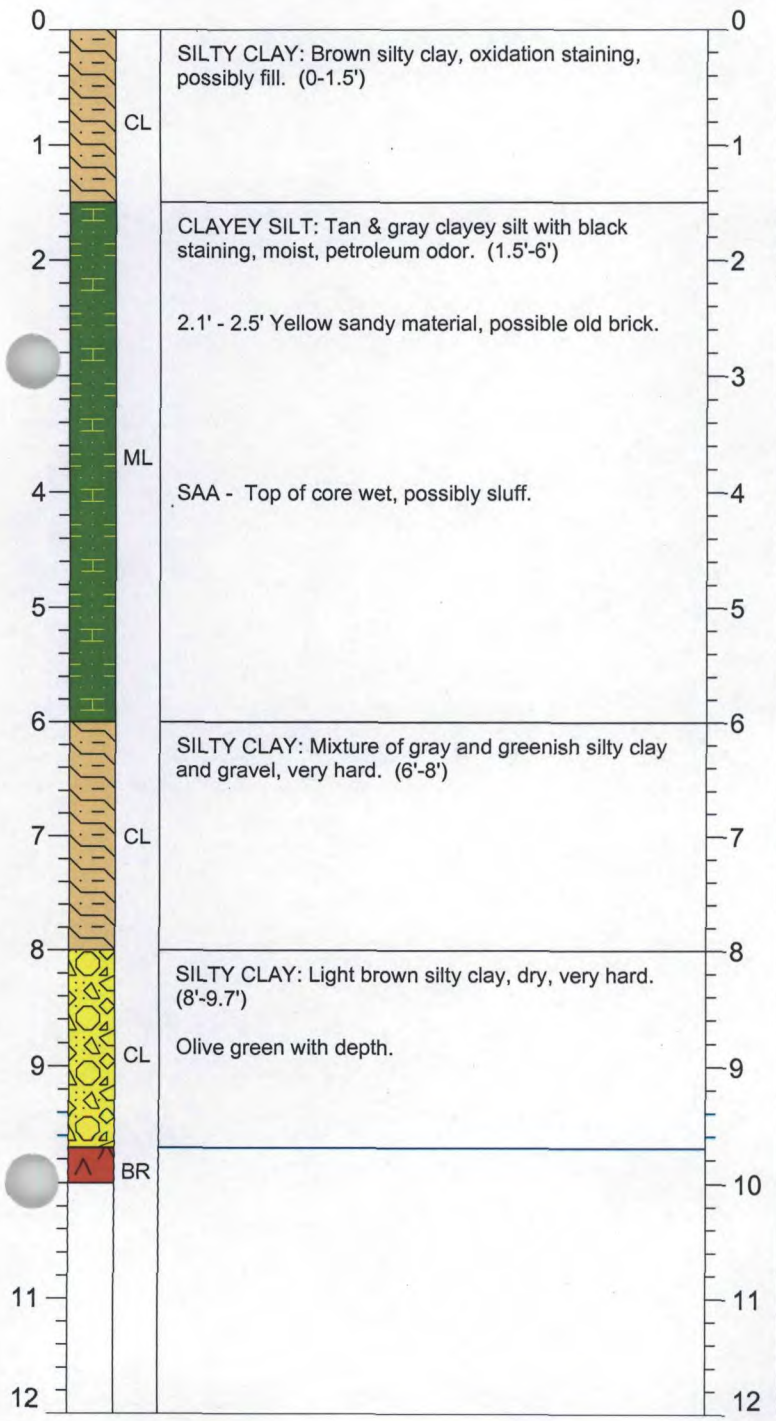
Site File Name: Ilada Waste Company **Boring / Well No.:** X-108

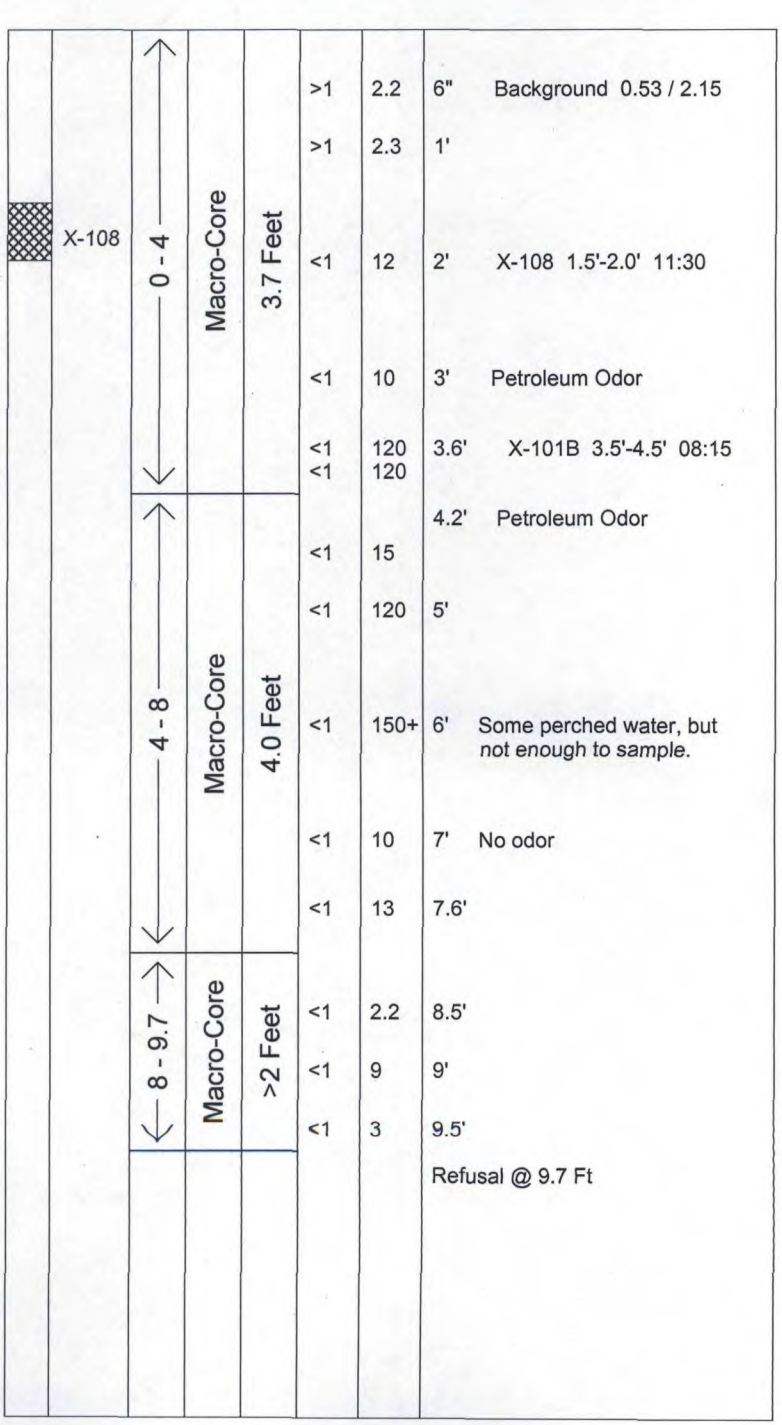
G.P.S Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/02/06 **Finish** 08/02/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: Near oil pool and injection well. **Completion Depth:** 9.7 Feet (Refusal)

Logged By: James M. Salch





Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
						>1	2.2	6" Background 0.53 / 2.15
						>1	2.3	1'
		X-108	0 - 4	Macro-Core	3.7 Feet	<1	12	2' X-108 1.5'-2.0' 11:30
						<1	10	3' Petroleum Odor
						<1	120	3.6' X-101B 3.5'-4.5' 08:15
						<1	120	
			4 - 8	Macro-Core	4.0 Feet			4.2' Petroleum Odor
						<1	15	
						<1	120	5'
						<1	150+	6' Some perched water, but not enough to sample.
						<1	10	7' No odor
						<1	13	7.6'
			8 - 9.7	Macro-Core	>2 Feet	<1	2.2	8.5'
						<1	9	9'
						<1	3	9.5'
								Refusal @ 9.7 Ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

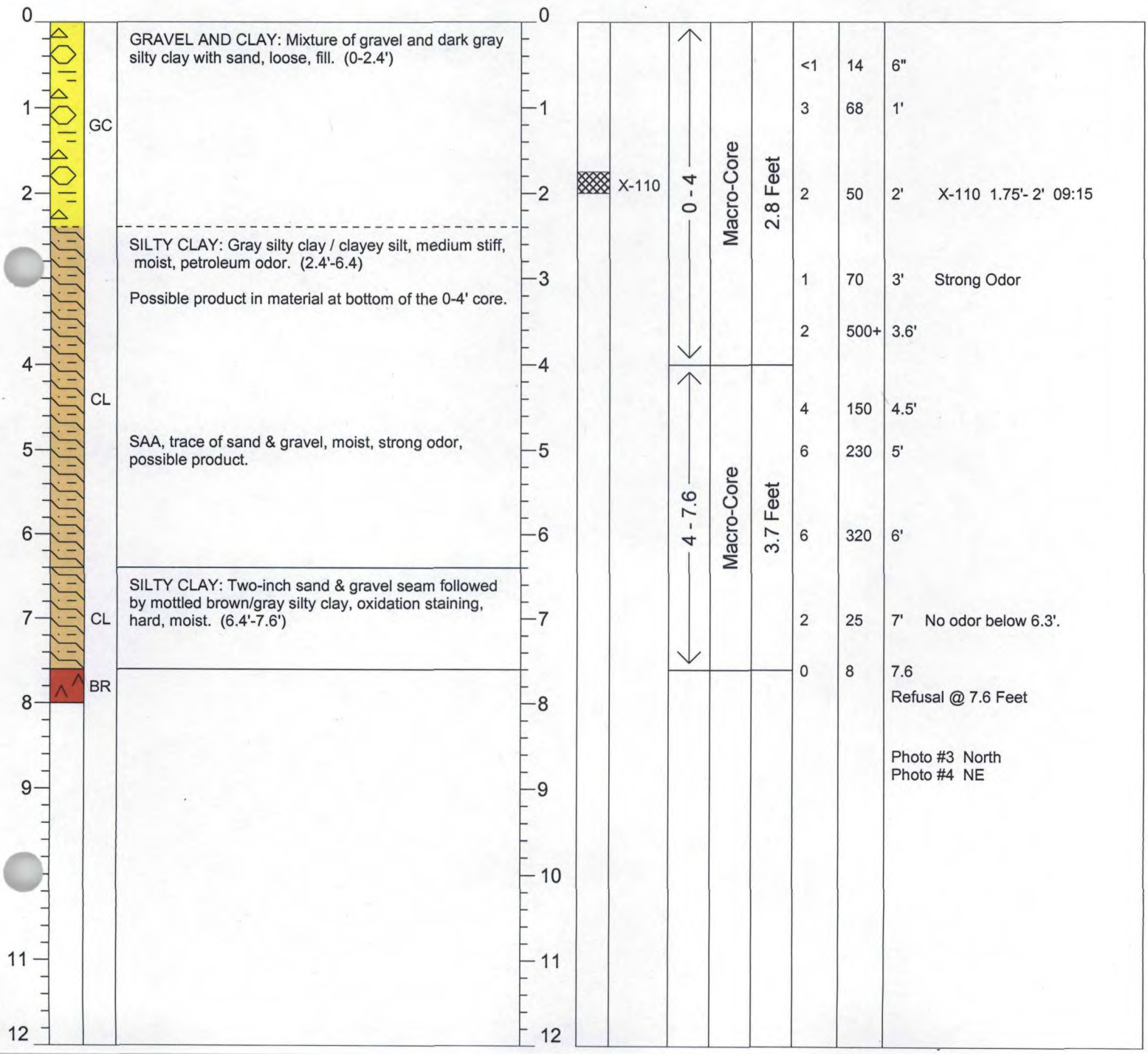
Site File Name: Ilada Waste Company **Boring / Well No.:** X-110

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/01/06 **Finish** 08/01/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: Just west of short storage tank near parking area **Completion Depth:** 7.6 Feet (Refusal)

north of Imbs Station Rd. **Logged By:** James M. Salch



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

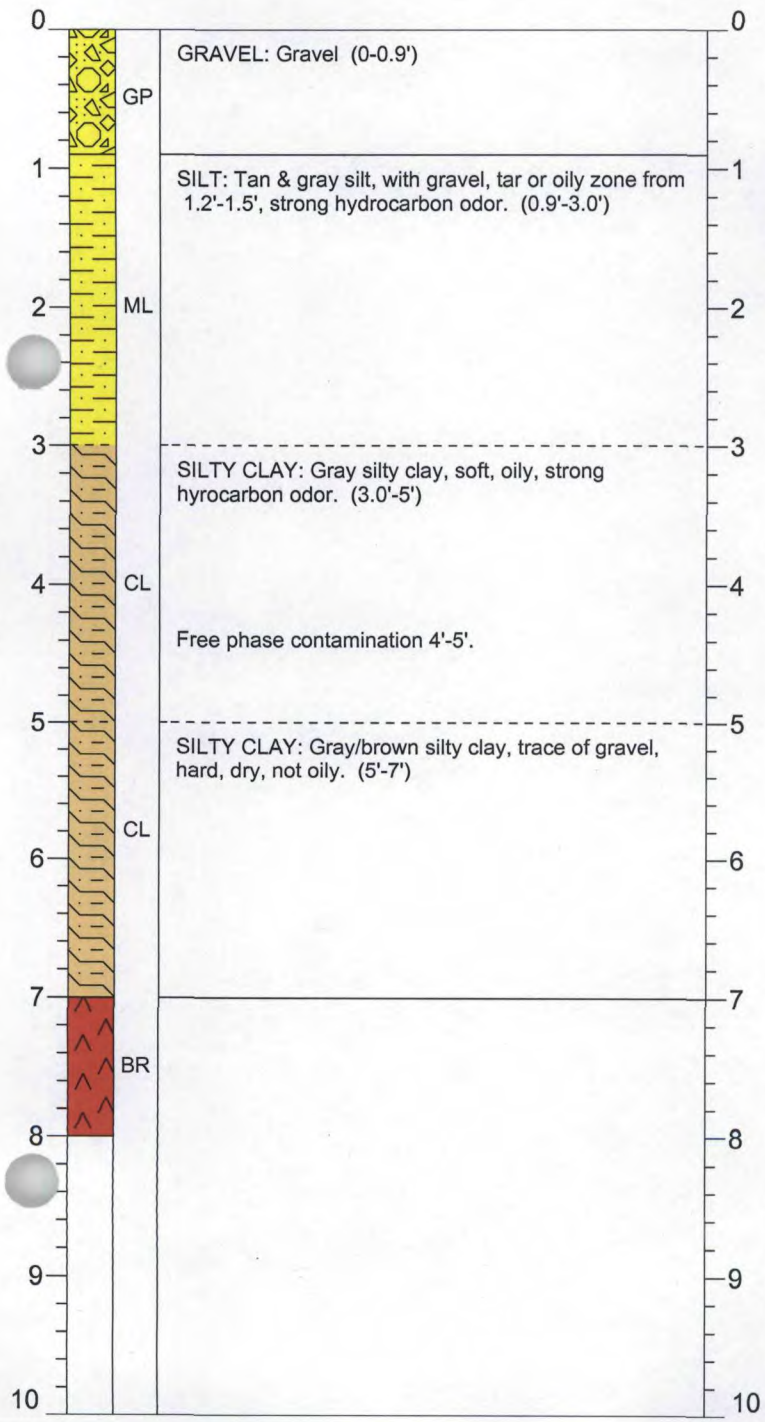
Site File Name: Ilada Waste Company **Boring / Well No.:** X-111

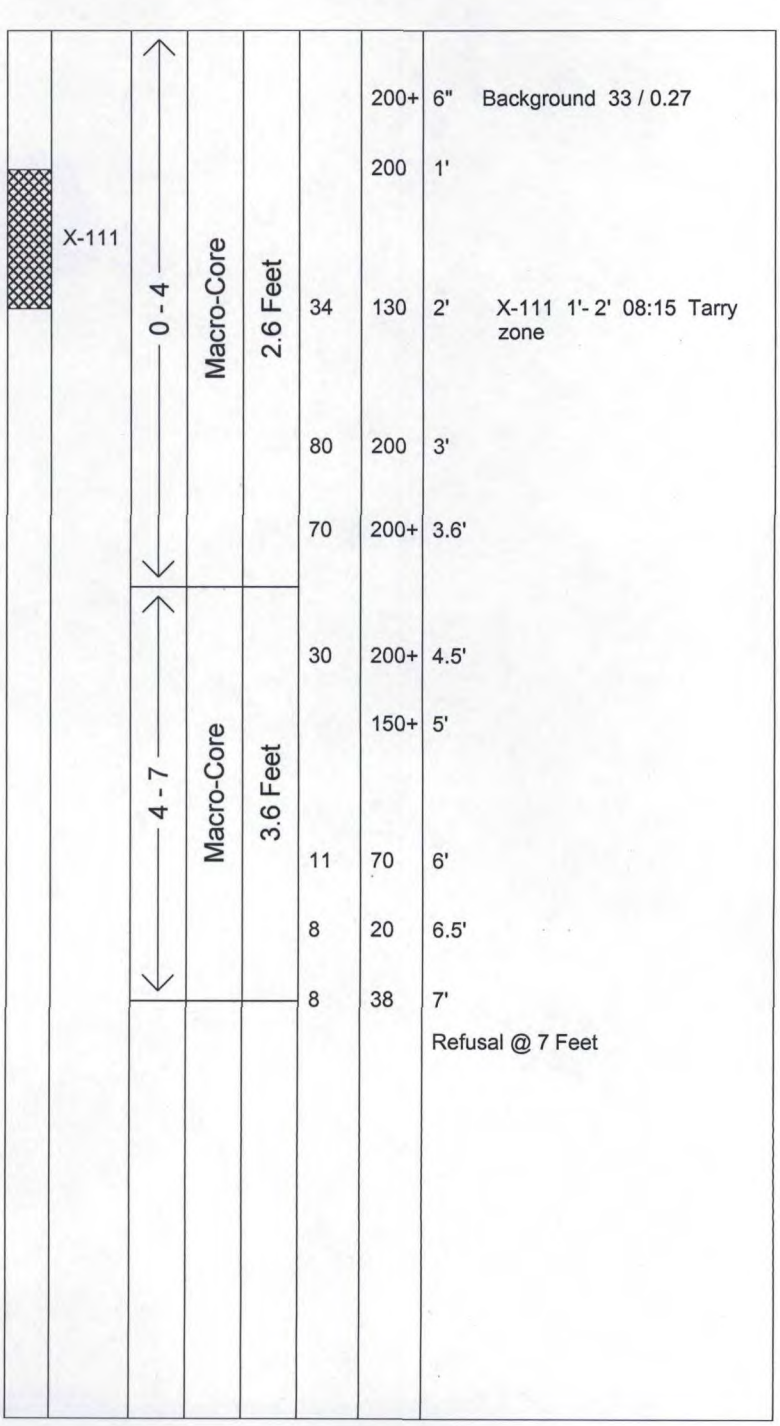
GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/02/06 **Finish** 08/02/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: In drive area north of Imbs Station Rd **Completion Depth:** 7 Feet (Refusal)

where tar was oozing out of the ground. **Logged By:** James M. Salch





ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

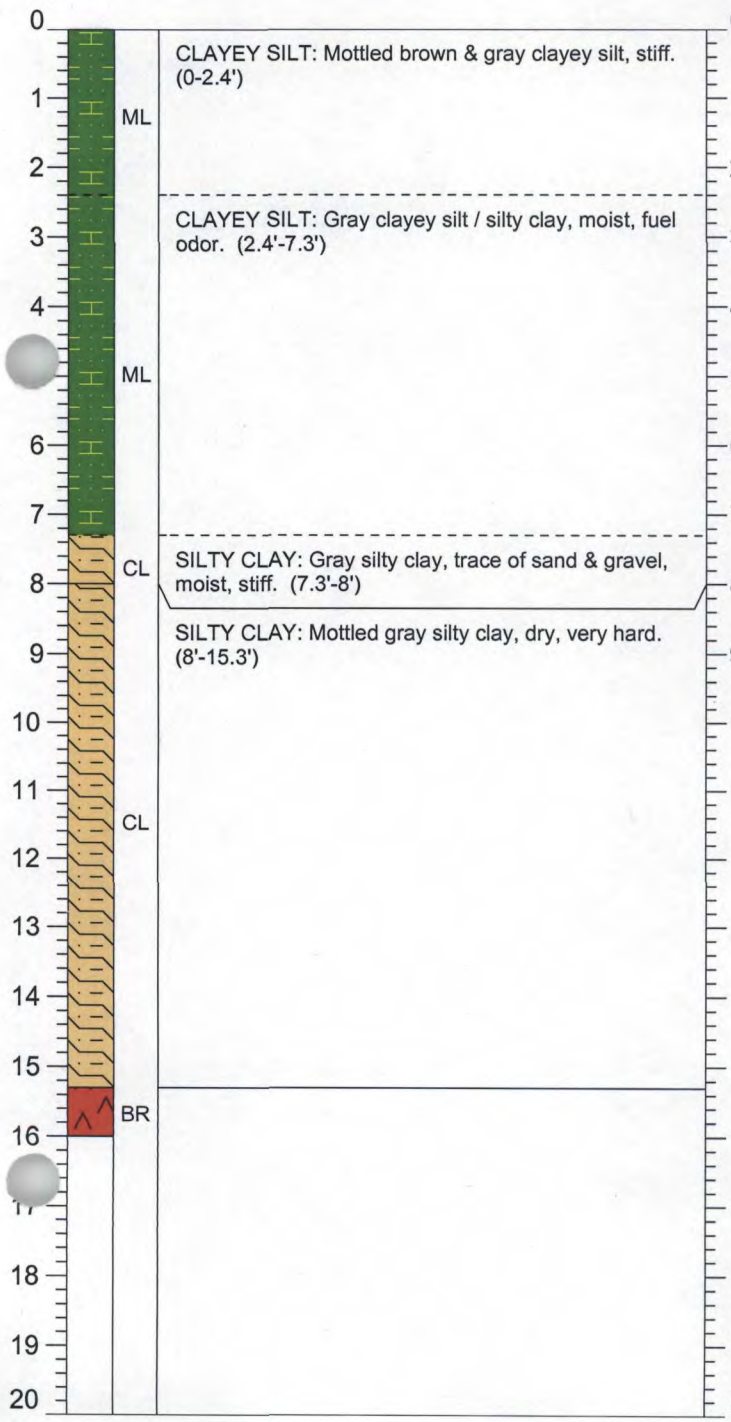
Site File Name: Ilada Waste Company **Boring / Well No.:** X-118

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/01/06 **Finish** 08/01/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: Furthest west location at former still area. **Completion Depth:** 15.3 Feet (Refusal)

Logged By: James M. Salch



Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0								
1						<1	3.3	6"
			0 - 4	Macro-Core	4.0 Feet	<1	3.4	1'
2						<1	4.3	2' X-101A 2'-2.5' 08:00
3						<1	14	3' Hydrocarbon odor
4						2.4	113	3.6' X-101B 3.5'-4.5' 08:15
						3.5	150+	4.5'
5			4 - 8	Macro-Core	4.0 Feet	<1	150+	5'
6						10	500+	6' Strong hydrocarbon odor
7		X-118				10	500+	7' X-118 6'-7' 11:10
8						11	500	7.6'
9							150+	9' 8'-12' Core plugged in sampler. Had to re-core.
10			8 - 12	Macro-Core	4.0 Feet			
11							150+	11
12								
13			12 - 15.3	Macro-Core	3.3 Feet	<1	150+	13
14						<1	80	14'
15						<1	115	14.7' Very little odor.
16								Refusal @ 15.3 Feet
								Photo #12 - SW
								Photo #13 - W
								New Roll #1 - W
17								
18								
19								
20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: LPC# 1639190003 **Fed. ID No.:** ILD 980 497 978 **County:** St. Clair

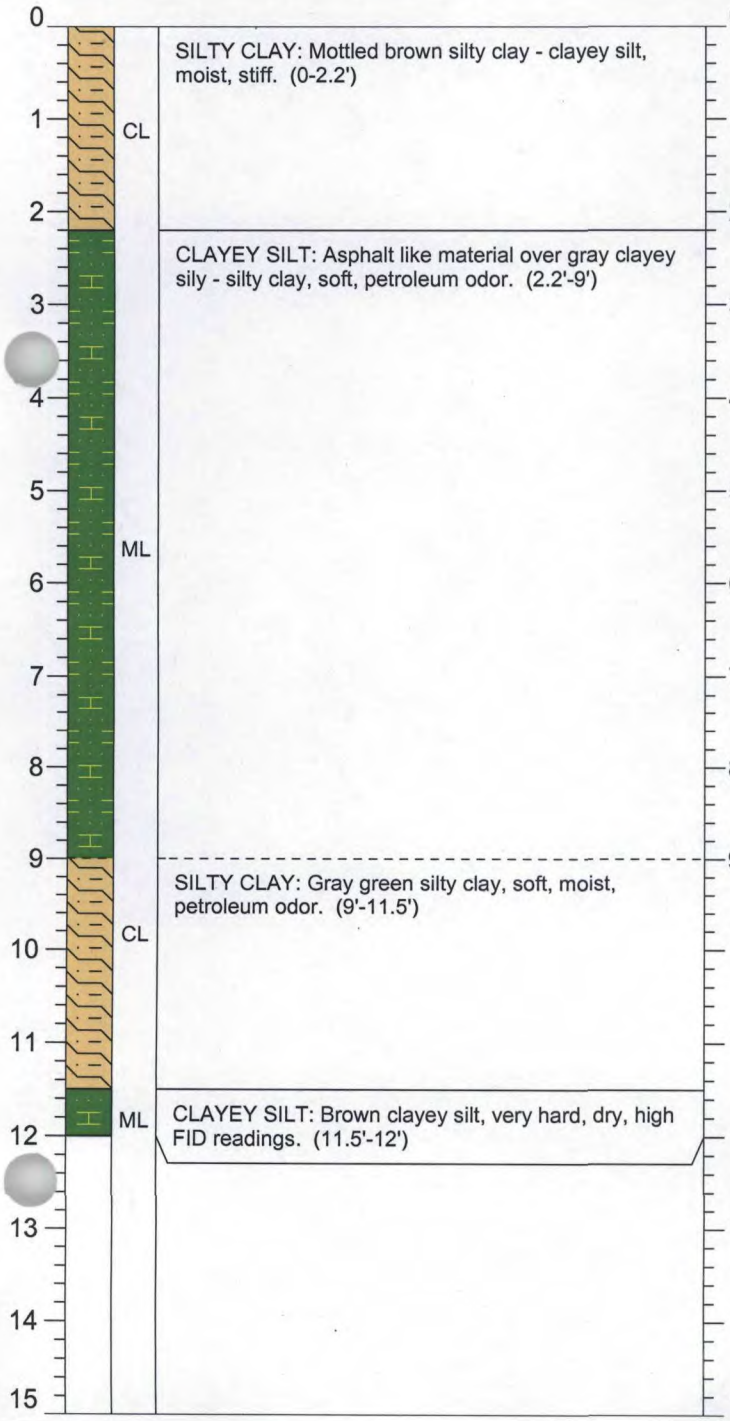
Site File Name: Ilada Waste Company **Boring / Well No.:** X-119

GPS Coordinates: Northing _____ **Easting** _____ **Date: Start** 08/01/06 **Finish** 08/01/06

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** _____

Location Description: Approximately 75' east of boring X-118 **Completion Depth:** 12 Feet

Logged By: James M. Salch



Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0						<1	4	6" Background 0.5 / 3
1						<1	3	1'
								X-119A 1.75'-2' 12:10
2	X-119A		0 - 4	Macro-Core	4.0 Feet	<1	14	2' Asphal like layer under possible fill.
3						<1	80	3'
4						14	600	3.5' X-101B 3.5'-4.5' 08:15
						<1	60	4.5'
5			4 - 8	Macro-Core	3.9 Feet	<1	250	5' Strong hydrocarbon odor
6						<1	500	6'
7						<1	26	7'
8						<1	150+	7.6'
						<1	500+	8.5'
9						<1	160	9'
	X-119B		8 - 12	Macro-Core	3.8 Feet			X-119B 9'-10' 12:30
10						<1	100	10'
11						<1	150+	11'
12						<1	500+	11.6
								TOB - 12 Ft
13								Photo #2 - N
								Photo #3 - S
14								
15								

Appendix C
4-Mile Radius Map

Ilada Waste Company
4-Mile Radius Map

Legend

- Non-Community Water Supply Well
- Community Water Supply Well
- Private Water Supply Well
- 1 — Distance Ring in Miles

Appendix D
Illinois EPA Sample Photographs

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1030
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of sediment sample location X201.

DATE: 07/31/06
TIME: 1030
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X201.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06

TIME: 1110

PHOTO BY: J. Willman

DIRECTION: West

COMMENTS:
Photo of sediment sampling location X202.

DATE: 07/31/06

TIME: 1110

PHOTO BY: J. Willman

DIRECTION: Northwest

COMMENTS:
Photo of sediment sampling location X202.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

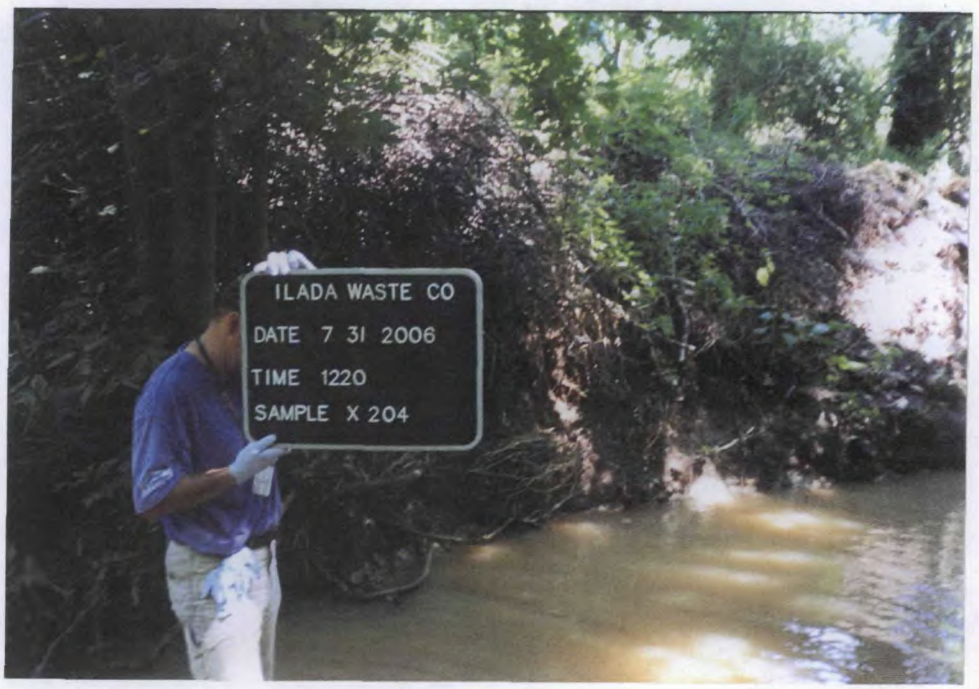
DATE: 07/31/06
TIME: 1130
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sampling location X203

DATE: 07/31/06
TIME: 1130
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of sediment sampling location X203

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

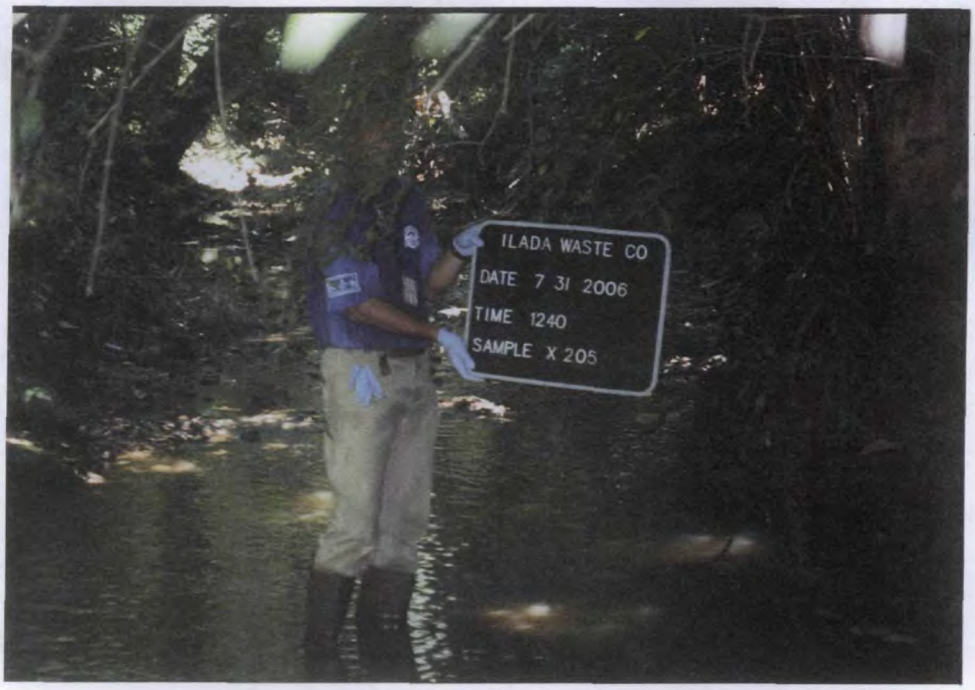
DATE: 07/31/06
TIME: 1220
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X204

DATE: 07/31/06
TIME: 1220
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X204



SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1240
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X205



DATE: 07/31/06
TIME: 1240
PHOTO BY: J. Willman
DIRECTION: Southeast
COMMENTS: Photo of sediment sample location X205

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1320
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X206

DATE: 07/31/06
TIME: 1320
PHOTO BY: J. Willman
DIRECTION: Southeast
COMMENTS: Photo of sediment sample location X206

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1400
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of sediment sample location X207

DATE: 07/31/06
TIME: 1400
PHOTO BY: J. Willman
DIRECTION: West
COMMENTS: Photo of sediment sample location X207

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1510
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X208

DATE: 07/31/06
TIME: 1510
PHOTO BY: J. Willman
DIRECTION: Northwest
COMMENTS: Photo of sediment sample location X208

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1530
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X209

DATE: 07/31/06
TIME: 1530
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of sediment sample location X209

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 1915
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X210

DATE: 08/01/06
TIME: 1915
PHOTO BY: J. Willman
DIRECTION: East-southeast
COMMENTS: Photo of sediment sample location X210

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 2000
PHOTO BY: J. Willman
DIRECTION: Northwest
COMMENTS: Photo of sediment sample location X211

DATE: 08/01/06
TIME: 2000
PHOTO BY: J. Willman
DIRECTION: North-northeast
COMMENTS: Photo of sediment sample location X211

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 2030
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X212

DATE: 08/01/06
TIME: 2030
PHOTO BY: J. Salch
DIRECTION: West
COMMENTS: Photo of sediment sample location X212

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/02/06
TIME: 1050
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X213 and X214. Sample X214 is a duplicate of X213.

DATE: 08/02/06
TIME: 1050
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of sediment sample location X213 and X214. Sample X214 is a duplicate of X213.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/02/06
TIME: 1200
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of sediment sample location X215.

DATE: 08/02/06
TIME: 1200
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of sediment sample location X215.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/02/06
TIME: 1325
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of sediment sample location X216.

DATE: 08/02/06
TIME: 1325
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X216.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/02/06
TIME: 1350
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X217.

DATE: 08/02/06
TIME: 1350
PHOTO BY: J. Willman
DIRECTION: West
COMMENTS: Photo of sediment sample location X217.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/03/06
TIME: 1000
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of sediment sample location X230. Location same as X203 because laboratory broke organic sample jar for X203.

DATE: 08/03/06
TIME: 1000
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of sediment sample location X230. Location same as X203 because laboratory broke organic sample jar for X203.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978 **COUNTY:** St. Clair

DATE: 08/01/06
TIME: 0800; 0815
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of soil sample location X101A collected at 0800 and deep soil sample location X101B collected at 0815. The day and month of the date was inadvertently left off of the photo board for this location.

DATE: 08/03/06
TIME: 0800; 0815
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X101A collected at 0800 and deep soil sample location X101B collected at 0815. The day and month of the date was inadvertently left off of the photo board for this location.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 07/31/06
TIME: 1545
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of soil sample location X102.

DATE: 07/31/06
TIME: 1545
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of soil sample location X102.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/02/06
TIME: 0925
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X103 and X104. Sample X104 was a duplicate of X103.

DATE: 08/02/06
TIME: 0925
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of soil sample location X103 and X104. Sample X104 was a duplicate of X103.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

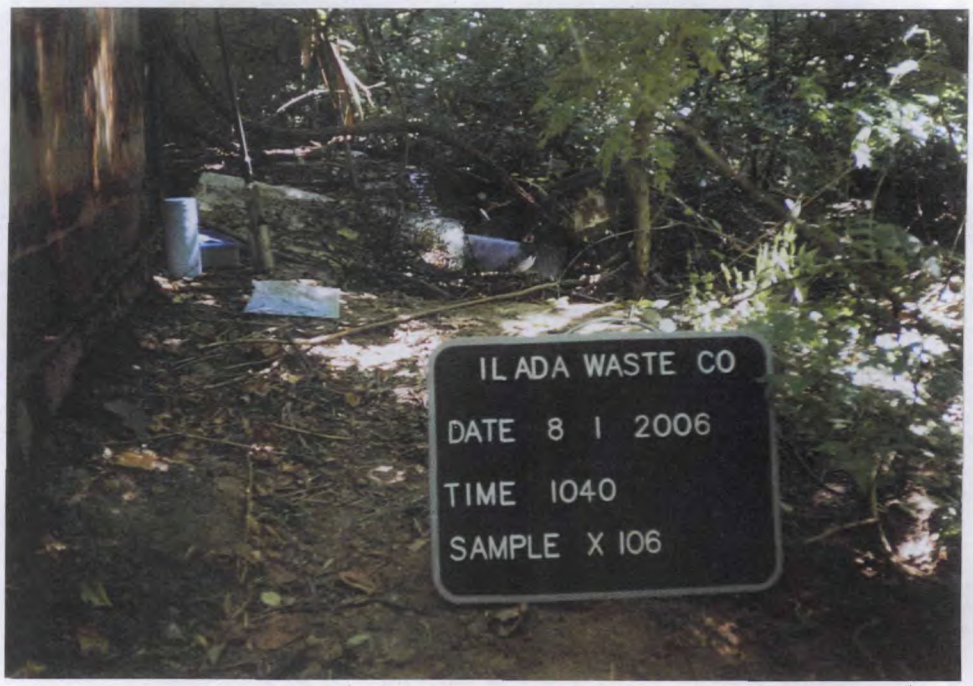
DATE: 08/02/06
TIME: 1000
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X105.

DATE: 08/02/06
TIME: 1000
PHOTO BY: J. Willman
DIRECTION: West-southwest
COMMENTS: Photo of soil sample location X105.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978 **COUNTY:** St. Clair

DATE: 08/01/06
TIME: 1040
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: *Photo of soil sample location X106.*

DATE: 08/01/06
TIME: 1040
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X106.



SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

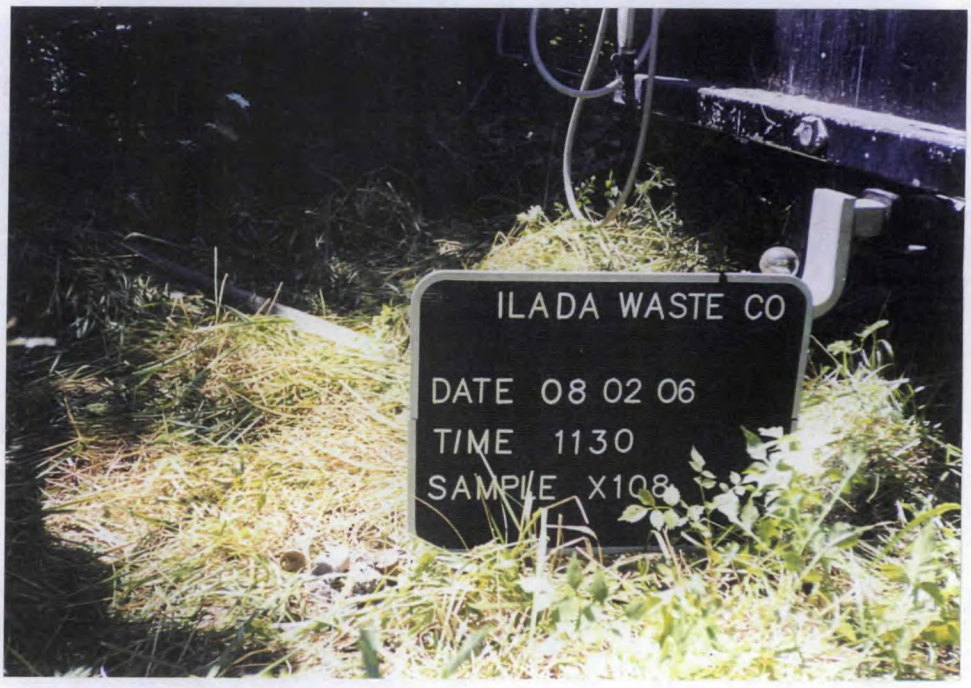
DATE: 08/01/06
TIME: 1200
PHOTO BY: J. Willman
DIRECTION: East
COMMENTS: Photo of soil sample location X107.

DATE: 08/01/06
TIME: 1200
PHOTO BY: J. Willman
DIRECTION: West
COMMENTS: Photo of soil sample location X107.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/02/06
TIME: 1130
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X108.

DATE: 08/02/06
TIME: 1130
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X108.



SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 0915
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X110.

DATE: 08/01/06
TIME: 0915
PHOTO BY: J. Willman
DIRECTION: Northeast
COMMENTS: Photo of soil sample location X110.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 1130
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil/waste location X112

DATE: 08/01/06
TIME: 1130
PHOTO BY: J. Willman
DIRECTION: Southeast
COMMENTS: Photo of soil/waste location X112.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/03/06
TIME: 0930
PHOTO BY: J. Willman
DIRECTION: East-southeast
COMMENTS: Photo of soil sample location X113.

DATE: 08/03/06
TIME: 0930
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X113.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 0800
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X116.

DATE: 08/01/06
TIME: 0800
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X116.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 0900
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X117.

DATE: 08/01/06
TIME: 0900
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X117.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/01/06
TIME: 1110
PHOTO BY: J. Willman
DIRECTION: Southwest
COMMENTS: Photo of soil sample location X118.

DATE: 08/01/06
TIME: 1110
PHOTO BY: J. Willman
DIRECTION: West
COMMENTS: Photo of soil sample location X118.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978 **COUNTY:** St. Clair

DATE: 08/01/06
TIME: 1210 and 1230
PHOTO BY: J. Willman
DIRECTION: North
COMMENTS: Photo of soil sample location X119A (collected at 1210) and deep soil sample X119B (collected at 1230).

DATE: 08/01/06
TIME: 1210 and 1230
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X119A (collected at 1210) and deep soil sample X119B (collected at 1230).

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978 **COUNTY:** St. Clair

DATE: 08/03/06
TIME: 0900
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X120.

DATE: 08/03/06
TIME: 0900
PHOTO BY: J. Willman
DIRECTION: Northwest
COMMENTS: Photo of soil sample location X120.

SITE NAME:	Ilada Waste Company
CERCLIS ID:	ILD980497978
COUNTY:	St. Clair

DATE: 08/03/06
TIME: 0915
PHOTO BY: J. Willman
DIRECTION: South
COMMENTS: Photo of soil sample location X121.

DATE: 08/03/06
TIME: 0915
PHOTO BY: J. Willman
DIRECTION: Northwest
COMMENTS: Photo of soil sample location X121.